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1943

45th Year

# Gould's

SEED ANNUAL



**R. L. Gould & Company**

*Seedsman Since 1898*

496-502 JACKSON ST.

ST. PAUL, MINN.





Prices Quoted  
Are Not Postpaid

## LAWN GRASS SEED

Include Postage  
With Mail Orders

A fine lawn is the most important feature of the home grounds. A beautiful lawn not only adds to the value of the home but imparts an air of dignity and refinement. Nothing sets off the house so well as a properly made, well-kept lawn.

To maintain a good lawn, the regular feeding of fertilizer

is necessary in spite of all the seed you may apply. Otherwise the lawn will gradually starve for want of plant food and take on a lifeless appearance; easily subject to winter-killing. Good seed and regular feeding will do wonders in keeping the lawn fresh and green. See special fertilizer page for lawn fertilizers.

### Gould's Reliable Lawn Grass Seed With Clover

Gould's Reliable Grass Mixture is the result of our many years of experience in the mixing of different grass seeds that will produce a quick, thick permanent sod of deep-rooting grasses to withstand our northern winters. It is composed of clean, heavy seed of the highest purity and vitality. For new lawn, sow at the rate of 1 lb. to 150 square feet.

1 lb. ....	\$0.50	5 lbs. ....	\$2.00	50 lbs. ..	\$17.75
2 lbs. ....	.95	10 lbs. ....	3.75	100 lbs. ..	35.00
3 lbs. ....	1.40	25 lbs. ....	9.00		

### Gould's Reliable Lawn Grass Seed Without Clover

This mixture is identical to the above Lawn Grass Mixture excepting that it contains no clover, but instead an added amount of Blue Grass.

1 lb. ....	\$0.45	5 lbs. ....	\$1.85	50 lbs. ....	\$16.50
2 lbs. ....	.85	10 lbs. ....	3.50	100 lbs. ..	32.50
3 lbs. ....	1.30	25 lbs. ....	8.50		

### Como Park Lawn Grass Seed

This is a mixture of re-cleaned seed for those who want a good low-priced lawn seed. Como Park is not as high grade as Gould's Reliable Lawn Seed, but is a good mixture at the price. It will grow quickly and form a permanent sod. Sow at the rate of 1 lb. to 100 square feet, for new lawn.

1 lb. ....	\$0.35	10 lbs. ....	\$2.60	50 lbs. ..	\$11.75
3 lbs. ....	1.00	25 lbs. ....	6.00	100 lbs. ..	23.25

### Home Lawn Grass Seed

A mixture of grasses similar to Como Park. Seed at the rate of 1 lb. to 100 square feet, for new lawn.

1 lb. ....	\$0.35	10 lbs. ....	\$2.60	50 lbs. ..	\$11.75
3 lbs. ....	1.00	25 lbs. ....	6.00	100 lbs. ..	23.25

### Hormone Treated Reliable Lawn Grass Seed 5c a pound, extra

Hormone treated Lawn Seed induces quicker germination and much more vigorous root and top growth. Gives you a thicker, heavier turf in a very short time—grass with vigor plus.

### Gould's Shady Lawn Grass

Where trees or houses shade the lawn the greater part of the day and keep out the sun, it is a problem to get grass to grow. Growing grass in shaded places seems at times almost hopeless, but this is often due to planting the wrong kind of seed. Ordinary grass seed mixtures will not make a good growth where there is little or no direct sunlight. In Gould's Shady Lawn Grass we have combined a special mixture of those varieties of grass seeds that do well in the shade. Sow at the rate of 1 pound to 150 square feet for new lawn.

1 lb. ....	\$0.65	5 lbs. ....	\$3.00	25 lbs. ..	\$11.50
2 lbs. ....	1.25	10 lbs. ....	5.50	100 lbs. ..	45.00

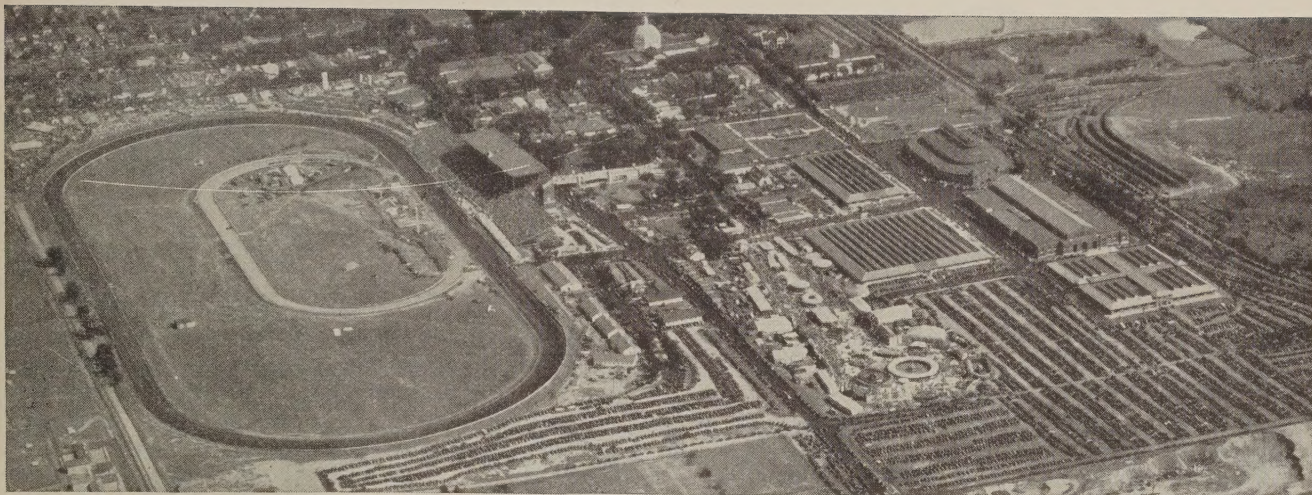
### Seaside Bent\*

Seaside is a consistent surface creeping variety. It is of a rather bright green color, and does not grow very tall because of its trailing habit of growth. It spreads rapidly and forms a matlike sod quickly. Sow at the rate of 3 lbs. to 1000 square feet. 1 lb., \$1.25; 5 lbs., \$6.00; 10 lbs., \$11.50; 25 lbs., \$27.00.

### Astoria Bent

The Astoria Bent produces underground creepers, usually by rhizomes, several inches deep, and has considerable more upright growth than the Seaside. The grass is somewhat longer and not as wide and of a darker green color. Is better suited to well-drained soils. Seed at the rate of 3 lbs. to 1000 square feet, for new lawn. 1 lb., \$1.35; 5 lbs., \$6.25; 10 lbs., \$12.00; 25 lbs., \$27.50, postage extra.





Minnesota State Fair, St. Paul. Beautiful grounds seeded with Gould's Lawn Seed Mixtures.

### CREEPING BENT GRASS PLUGS

One of the few hybrid strains of Bent Grass that is perfectly hardy here in the Northwest. Needs only ordinary care. These Bent sod plugs should be planted one foot apart. In about three to four months they will spread and make a solid, deep green turf. One carton plants 100 square feet. 1 carton \$1.25; 5 cartons \$5.50; 10 cartons \$10.50.

### CREEPING BENT STOLONS

For anyone who prefers to plant stolons, a new lawn can be developed in about three months after planting. Enough for 300-500 sq. ft. \$3.60.

### Gould's Terrace Lawn Seed

For embankments, terraces and steep hillsides.

A variety of grasses that grow long, strong, spreading roots so as to withstand heavy rains from washing out the sod or soil. The deep-rooted grasses not only prevent heavy rains from washing it out, but also resist drought to a marked degree. Seed should be sown heavier than recommended for regular mixtures.

1 lb.....\$0.60	5 lbs.....\$2.50	25 lbs.....\$11.25
2 lbs..... 1.10	10 lbs..... 4.75	100 lbs..... 43.00

### Special Lake Shore Mixture

This mixture is especially desirable for lake shores and around summer cottages where it is not always possible to give the best of care in establishing a lawn. Seed at the rate of 1 lb. to 200 square feet of new lawn.

1 lb.....\$0.45	5 lbs.....\$1.85	25 lbs.....\$8.00
2 lbs..... .85	10 lbs..... 3.50	100 lbs.....30.00

**Prices** Due to war conditions, over which we have no control, all prices quoted in this catalog are subject to change without notice.

### Nutria Peat Moss For lawns and gardens.

Nutria Peat is a high lime granulated peat, clean, odorless and pleasant to work with. It is an excellent soil builder. It will lighten clay or heavy soils and build up sandy or light soils. It conditions and changes otherwise poor soil into one of rich, mellow texture. Makes an excellent top dressing for new or old lawns. Peat is also valuable for use in the garden.

One large bag, \$1.00; 2 bags, \$1.50; 3 bags, \$2.00.

½ cubic yard, \$3.00; 1 cubic yard load (equal to 10 bags) \$4.00; 2 cubic yard load, \$5.00, delivered within the city limits of St. Paul.

### Black Earth

Genuine, University tested high mineral earth. Load, more than two yards, \$5.00; delivered in St. Paul.

### SOD

We can supply freshly cut sod in season, in any quantity.

**LAWNS.** By F. F. Rockwell. It tells how to lay out the lawn, grade, fertilize, plant, care for it after planting, control weeds and pests, remake and repair old lawns. 39 illustrations, 37 pages. \$1.35, postpaid.

### White Dutch Clover

This is the best small leaved clover for lawns. Clover adds humus and nitrogen to the soil. Does well on all soils. Especially valuable in lawns that cannot be watered regularly. ¼ lb., 35c; ½ lb., 65c; 1 lb., \$1.15; 2 lbs., \$2.25; 5 lbs., \$5.95; 10 lbs., \$11.75. Postage extra on mail orders.

### Kentucky Blue Grass

This hardy perennial grass is one of the very best for our Northern climate and the base for most good lawn seed mixtures. Forms a dense sod but is very slow to germinate. It is advisable to mix red top or rye grass with Blue Grass when sowing, to act as a nurse crop. In established lawns Blue Grass can be sown alone. 1 lb., 50c; 2 lbs., 90c; 3 lbs., \$1.30; 5 lbs., \$2.00; 10 lbs., \$3.75; 25 lbs., \$9.00; 100 lbs., \$35.00.

### Poa Trivialis

A fine bladed perennial grass of the Blue Grass family that thrives in the shade. 1 lb., \$1.75; 2 lbs., \$3.25; 5 lbs., \$8.00; 10 lbs., \$15.00; 25 lbs., \$35.00.

### Red Top

Makes an excellent sod but is not as permanent as Blue Grass when clipped close. Germinates quickly and for that reason makes an excellent nurse crop to sow with Blue Grass. 1 lb., 35c; 2 lbs., 65c; 3 lbs., 95c; 5 lbs., \$1.50; 10 lbs., \$2.90; 25 lbs., \$6.75; 100 lbs., \$24.00.

### Why Grasses Act Queer at Times

Present day scientists have done much to solve the mysteries of various plant diseases. They know that plants like humans eat to live. A human being that is starved is always subject to a multitude of diseases. A well nourished body is less subject to illness. So it is with plant life—feed your lawn regularly and you will see an astounding change for the better—a healthier lawn, less subject to disease.

### Rye Grass

A very quick growing grass that makes a green lawn in a short time. Does not live as long as Blue Grass. Used mostly as a nurse crop. 1 lb., 30c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.50; 100 lbs., \$16.00.

### Chewings Fescue

Produces a mass of fine blades, spreading to a solid, compact turf. Does well in poor or sandy soils and in the shade. Very drought-resistant. 1 lb., \$1.35; 5 lbs., \$5.75; 10 lbs., \$9.50.

### Crested Wheat Grass

A hardy perennial and very drought-resistant bunch grass. Grows profusely in cool weather. Ideally adapted for controlling erosion on dry and steep slopes. Deep rooting. Sow at the rate of one pound to 400 sq. ft. 1 lb., 50c; 5 lbs., \$2.00; 10 lbs., \$3.50; 25 lbs., \$7.50; 100 lbs., \$25.00.





Every Victory Garden can pay large dividends in food and health. Both are first requirements in war times. Home-grown vegetables, fresh, canned, or dried, assure the homeowner larger supplies of needed foods and reduce the drain on commercial stocks needed for military and lend-lease purposes. By growing the right kinds of vegetables, those which yield the largest amounts of calcium, iron and vitamins A and C, better health is won. The leafy-green vegetables, carrots and other yellow vegetables, and tomatoes count most in this regard. Moreover, they are all easily grown.

Staple vegetables thus grown are ready for the table, making less food our railroads and trucks have to carry and more room for war goods.

**Prices** Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice. We have endeavored to put in ample stocks on all items listed in this book, but the uncertainty of replacement prices as in normal times, makes it impossible to maintain all prices. We reserve the right to fill all mail orders at prevailing prices, when received. May we urge you to order early, as some commodities may be hard to replace promptly, or at all. Seed stocks are much smaller this year.

**Disclaimer** As seeds, plants and bulbs are subject to climatic and other conditions over which we have no control, R. L. Gould & Company therefore give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, plants or bulbs that they send out, and they will not be in any way responsible for the crop; and every order for articles named in this catalog will be executed on these conditions only. If the purchaser does not accept same on these terms, they are to be at once returned.

## Gould's Victory Garden Planting Chart

### FOR THE SMALL VEGETABLE GARDEN

NOTE—\*Denotes the quantity of seed that should raise sufficient plants to transplant into a row 100 feet long. The seed should be sown in hotbed, and later sown in a cold frame, or sow the seed in a well-prepared seedbed in the open when danger from frost has passed.

Variety	Seed required for 100 ft. row	Plant rows apart	Plants apart in rows	Time of planting in open ground	Matures in about
Asparagus, Seed.....	2 ozs.	1 to 2 ft.	3 to 5 in.	Early spring	3 to 4 years
Asparagus Plants.....	60 plants	30 to 36 in.	18 in.	Early spring	1 to 3 years
Beans, Bush.....	1 lb.	15 to 24 in.	2 to 3 in.	April to July	45 to 70 days
Beans, Pole.....	½ lb.	3 to 4 ft.	3 to 4 ft.	May and June	65 to 90 days
Beets.....	2 ozs.	12 to 16 in.	3 to 4 in.	April to Aug.	55 to 70 days
*Brussels Sprouts.....	1 pkt.	24 to 30 in.	16 to 24 in.	May and June	90 to 110 days
*Cabbage, Early.....	1 pkt.	24 to 30 in.	12 to 18 in.	March and Apr.	65 to 80 days
*Cabbage, Late.....	1 pkt.	24 to 36 in.	16 to 24 in.	May and June	90 to 110 days
Carrot.....	½ oz.	12 to 15 in.	3 to 4 in.	April to June	70 to 100 days
*Cauliflower.....	1 pkt.	24 to 30 in.	24 to 30 in.	April to June	54 to 70 days
*Celeriac.....	1 pkt.	14 to 24 in.	2½ to 3 in.	May and June	120 days
*Celery.....	1 pkt.	6 in.	4 to 8 in.	May and June	115 to 130 days
Corn, Sweet.....	¼ lb.	30 to 36 in.	15 to 24 in.	May to July	60 to 100 days
Cucumber.....	1 pkt.	4 to 6 ft.	4 to 6 ft.	April to July	60 to 80 days
*Eggplant.....	1 pkt.	24 to 36 in.	24 to 30 in.	April and May	85 to 90 days
Endive.....	½ oz.	18 in.	8 to 12 in.	April to July	90 days
*Kale, or Borecole.....	1 pkt.	18 to 24 in.	18 to 24 in.	August	55 to 60 days
*Kohl Rabi.....	1 pkt.	15 to 24 in.	6 to 8 in.	March to May	60 to 80 days
Leek.....	½ oz.	12 to 16 in.	4 to 8 in.	March to May	120 to 180 days
Lettuce.....	1 pkt.	10 to 15 in.	6 in.	March to Sept.	45 to 85 days
Melon, Musk.....	1 pkt.	6 to 8 ft.	Hills, 6 ft.	April to June	80 to 115 days
Melon, Water.....	1 oz.	8 ft.	Hills, 6 ft.	May and June	70 to 100 days
Mustard.....	1 pkt.	12 in.	3 in.	March to May	60 to 90 days
Okra, or Gumbo.....	2 ozs.	3 to 4 ft.	24 to 30 in.	May and June	50 to 60 days
Onion Seed.....	½ oz.	12 to 18 in.	1½ in.	April and May	102 to 115 days
Onion Sets.....	2 qts.	12 in.	1½ to 2 in.	Feb. to May	30 to 60 days
Parsley.....	1 pkt.	12 to 14 in.	6 in.	Early spring	90 to 120 days
Parsnip.....	½ oz.	18 in.	3 in.	April and May	85 to 95 days
Peas.....	1 lb.	15 to 18 in.	2 in.	March to June	50 to 80 days
*Pepper.....	1 pkt.	24 to 36 in.	15 in.	May and June	55 to 80 days
Potato, Irish.....	½ peck	24 to 36 in.	15 in.	March to June	80 to 140 days
Pumpkin.....	1 pkt.	8 to 10 ft.	Hills, 8 ft.	May to July	100 to 120 days
Radish.....	1 oz.	6 to 12 in.	2 in.	March to Sept.	20 to 70 days
Rhubarb Plants.....	33 plants	3 to 5 ft.	3 ft.	Early spring	1 to 3 years
Rutabaga.....	1 pkt.	18 to 24 in.	6 to 8 in.	May and June	85 to 95 days
Salsify.....	1 oz.	18 to 24 in.	4 in.	Early spring	150 to 180 days
Spinach.....	1 oz.	12 to 18 in.	4 in.	Early spring	30 to 60 days
Spinach, New Zealand.....	1 oz.	24 to 36 in.	12 to 18 in.	Early spring	70 days
Squash, Bush.....	1 pkt.	3 to 4 ft.	Hills, 3 to 4 ft.	April to June	50 to 65 days
Squash, Late.....	1 pkt.	7 ft.	Hills, 7 ft.	April to June	55 to 110 days
Swiss Chard.....	1 oz.	16 in.	12 in.	April	60 days
*Tomato.....	1 pkt.	3 to 4 ft.	18 in.	May and June	95 to 130 days
Turnip.....	1 pkt.	18 in.	3 in.	April to July	45 to 70 days
Witloof Chicory, or French Endive.....	½ oz.	12 to 15 in.	3 to 4 in.	April and May	Fall and Winter



## ASPARAGUS SEED

**CULTURE.** To start an asparagus bed from seed, sow 1 oz. to 50 feet of row early in the spring and transplant roots to permanent bed the following spring.

### Mary Washington★

The best of the rust-resistant varieties introduced by the U. S. Department of Agriculture. A very vigorous grower, producing large succulent stalks of excellent quality. State Agricultural Colleges throughout the country recommend the Mary Washington as the best variety for the home or market gardener. Shoots color to a dark green with purple shades at tip. Pkt., 10c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.00.

Asparagus Roots Listed on Page 42.

## PARCEL POST RATES FROM ST. PAUL

On 8 oz. or less of seeds, plants or bulbs, the rate is 1c for each 2 oz., for other goods, 1½c for each 2 oz.; regardless of distance. Rates for packages over 8 oz., given below. Weight limit 70 lbs., any zone.

	First pound or fraction	Each additional pound or fraction
Local, St. Paul.....	7c	1c (2 lbs.)
First & Second Zone within 150 miles	8c	1.1c
Third Zone within 150 to 300 miles..	9c	2.9c
Fourth Zone within 300 to 600 miles.	10c	3.5c
Fifth Zone within 600 to 1,000 miles.	11c	5.3c
Sixth Zone within 1,000 to 1,400 miles	12c	7c
Seventh Zone within 1,400 to 1,800 ml.	14c	9c

## BEANS

**CULTURE.** To obtain a continuous supply of beans throughout the season, make plantings every two weeks from about May 10th to July 1st. Beans should be planted in rows 15 to 18 inches apart, thinning in the row to 3 or 4 inches apart. Do not cultivate or pick beans when plants are moist from dew or rain as this causes the spread of rust or Anthracnose, thereby curtailing the production. Plant about 1 to 2 inches deep depending upon the condition of the soil.

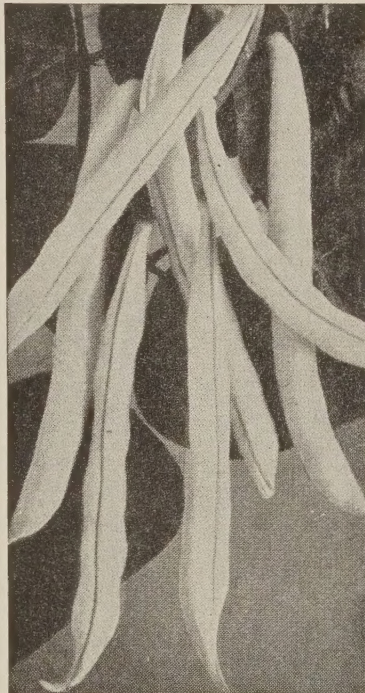
### DWARF WAX VARIETIES

#### Currie's Rust Proof Black Wax★

45 TO 50 DAYS. Very early and a good yielder. The pods are large, about six inches long, flat and straight, free from rust and of excellent quality. A good shipping bean. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Unrivalled, or Everbearing Wax★

53 TO 55 DAYS. A hardy and prolific mid-season variety. The vines are small and compact, producing a heavy crop of handsome, pale yellow, long, semi-round pods of highest quality. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.



Gould's Reliable Kidney Wax Beans

#### Gould's Reliable Black Wax★

53 TO 55 DAYS. This is an early wax bean for the market. The pods are 6½ inches long, flat, straight and stringless. It is a good yielder and attractive. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Gould's Reliable Kidney Wax

52 TO 55 DAYS. An excellent early, finest quality, round podded variety for the home garden and canning. It is very tender and absolutely stringless. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Improved Golden Wax 48 to 50 days

A well-known home garden variety. Bears an abundance of large semi-flat pods slightly curved. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Pencil Pod Black Wax 52 to 55 days

One of the best, long, round podded varieties; very early and prolific, stringless and of excellent quality. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Davis Kidney Wax 52 to 55 days

Pods uniform, about 7 inches long. Seed pure white, of kidney shape, producing a large, flat, straight pod of fine appearance. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

## DWARF GREEN PODDED VARIETIES

#### Bountiful★

One of the earliest of the green podded beans. The pods are large, flat and slightly curved, of a light green color and stringless. A heavy bearer. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Black Valentine★

Pods are long, nearly round, straight and of good quality. Beautiful dark green pods are about 6 inches long. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Full Measure★

A very fine round stringless green podded bean. The pods are long and straight, showing depressions around the beans which are round and tender. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Longfellow★

An early, round and straight, long, slender green pod, very tender and brittle. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Refugee or 1000 to 1★

A very productive, hardy, late variety. Pods are long, semi-round and slender, very much in demand for late market, home garden and canning. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Plentiful★

(An All American Winner). This is a green, flat-podded bush bean, an improved variety of the Bountiful type. Pods are brittle, stringless, straight to curved at tip and 7 inches long under normal conditions. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

48 days

49 days

52 days

54 days

70 days

48 days

#### Stringless Black Valentine 49 days

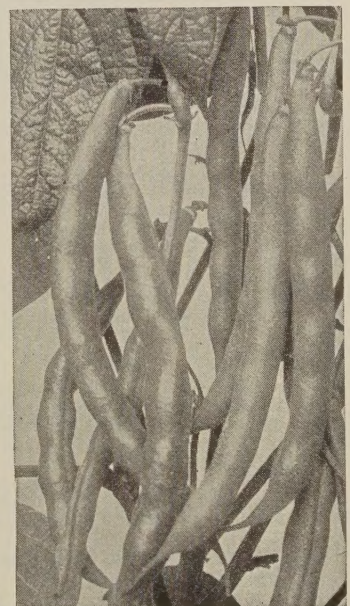
Similar to Black Valentine except that the pods are slightly more oval in shape and are entirely free from strings. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Stringless Green Pod 53 days

The finest green bean for home garden use. Has green pods, which are perfectly round, straight, tender, brittle and entirely stringless. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.

#### Giant Stringless Green Pod★ 55 days

An excellent variety to follow Stringless Green Pod, being later and larger withstands heat and is a heavy producer. A good bean for canning. Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.



Stringless Green Pod Beans



## Maturity Figures

After the name of most vegetable varieties you will find figures representing the approximate number of days required to mature the plants, from the time of planting the seed to the time the vegetables are ready to eat.

## POLE BEANS

**CULTURE.** Pole varieties are less hardy than the bush varieties, and must not be planted until the weather is settled and the ground warm. Set the poles about two to three feet apart, and in each hill plant six to eight beans, thinning when well started to the four strongest. **A packet plants 15 hills; 1 lb., 100 hills.**

**Kentucky Wonder or Old Homestead** 65 days  
This climbing variety is very vigorous and productive and bears its pods in large clusters. The pods are green and almost round, often measuring 8 to 10 inches long. They are nearly stringless, very tender and bear all summer. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.**

**Kentucky Wonder Wax**  
68 DAYS. Similar to the green-podded Kentucky Wonder, but pods are broader and light yellow, tender and stringless. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.**

**Scarlet Runner** 65 days  
A bean that is edible as well as ornamental. It is a fine climber, quick growing. **Pkt., 10c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c.**

**Prices:** Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice. Due to shortage of vegetable seeds this year on most varieties, quantity prices are not given in this book. Quantity prices sent on request.

## EDIBLE SOY BEANS

Differ from the field varieties in that they are palatable for human consumption—really delicious. You can cook up the early tender pods like string beans. Another way to make shelling easier, cover the pods with boiling water, let stand for five minutes, then drain and shell. To one pint of hulled beans add one pint of boiling water and ¾ teaspoonful salt, cover and cook for 10 minutes after boiling starts. Avoid overcooking. Drain and season with butter. Roasted soy beans are very good and these are prepared by soaking the dried beans overnight, boil for one hour in salted water. Spread in shallow pan and roast in moderate oven, 350 degrees Fahrenheit until brown. Sprinkle with salt while still warm. **Bansei. Pkt., 10c; ½ lb., 20c; 1 lb., 35c; 2 lbs., 60c; 5 lbs., \$1.25.**

## LIMA BEANS

**CULTURE.** Limas should be planted a little later than the other running beans, in the most favorable location possible, as they are very late in maturing. Always plant with the eye down. The Bush Lima is more easily grown than the tall, and is earlier and more economical of space. The Pole Limas yield heavier.

### Burpee's Improved Bush Lima★

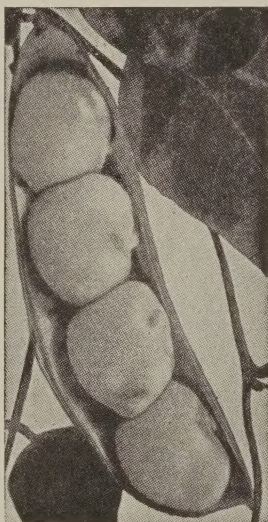
75 DAYS. The most popular of the Bush Lima type. Bushes grow 18 to 24 inches high, two to three feet in diameter. The pods contain 4 or 5 large, pale green beans. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.**

**Fordhook Bush★** 75 days  
Exceedingly popular with market gardeners. The pods are about 5 inches long, each having 4 or 5 large, oval-shaped green beans of fine quality. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$2.00.**

**Thorogreen** 68 days  
A new green seeded small Bush Lima of the Henderson type. A strong grower and good producer. Good for canning and freezing. **Pkt., 15c; ½ lb., 35c; 1 lb., 60c.**

**Henderson's Bush** 65 days  
A vigorous, hardy, very early Bush Lima. Beans are small, green and of very good quality. Seed is white. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.**

**King of the Garden Pole Lima★** 88 days  
The vines are very vigorous and prolific. Pods are of large size filled with 4 or 5 large pale green beans of very fine quality. A popular market garden variety. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 85c; 5 lbs., \$1.75.**



Burpee's Imp. Bush Lima

## FIELD BEANS

**CULTURE.** Beans thrive on most all soils, but better results are gained by the liberal use of fertilizer or planting in light, rich, well-drained loam. Beans are extremely sensitive to frost and moisture.

### Red Kidney (Dark)

Vine grows about 20 inches long containing 5 to 6 red kidney shaped beans. Pods 6 to 7 inches long, flat, broad, straight. Fine for baking, chili and soups. **½ lb., 20c; 1 lb., 35c; 2 lbs., 65c; 5 lbs., \$1.50.**

### Brown or Swedish

This is a fine field bean of a light brownish color and medium size. Very fine for baking. **½ lb., 20c; 1 lb., 30c; 5 lbs., \$1.25.**

### Choice Navy

This is a much improved strain of the old popular white baking bean. It is smaller in size and more round, but is highly recommended on account of its heavy yield and disease-resistant quality. **½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 90c; 10 lbs., \$1.50.**

### Great Northern

A large navy bean which is giving splendid results. The seed is large, flat, and slightly kidney shaped. It is a fine baker and is sometimes used as a small lima. **½ lb., 15c; 1 lb., 25c; 2 lbs., 45c; 5 lbs., 90c; 10 lbs., \$1.50.**

## BEETS

Authorities recommend beets most highly for their vitamins as well as for their rich mineral and tonic properties. Beet greens are excellent for Vitamin A and iron, good for Vitamin G.

**CULTURE.** Any well-prepared light garden soil will produce good beets, although a rich, sandy loam brings the best results. Sow the seed about 1 inch deep in rows 15 to 24 inches apart. When plants are about 6 inches high they should be thinned to 3 or 4 plants to the foot. Those taken out at this time make excellent greens.

### Crosby's Egyptian★

A splendid extra early beet of slightly flattened globe shape. It is sweet and tender and a much desired table beet. Crisp and tender, of dark purplish red color. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Detroit Dark Red★

This well-known variety is very popular among market gardeners and canners as well as being an ideal variety for the home garden. The roots are very dark red in color, uniform in shape and of excellent quality. **Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.**

### Edmand's Blood Turnip 60 days

A fine appearing turnip-shaped blood beet. Skin and flesh are of a deep red. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Early Wonder★

An extra early beet of special merit. Roots are nearly globe shaped, slightly flattened; skin dark red, flesh deep blood red with very little zoning, and of finest quality. Tops are small and ideal as a bunching beet. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Gould's Early Bunching Beet★

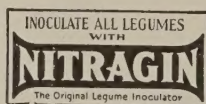
An outstanding variety that matures earlier than any other variety. The color is deep dark red all the way through without zoning. Roots are smooth, perfectly globular, of uniform shape and size, with slender tap roots. Tops are medium and just right for bunching. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Gould's Reliable Red Beet★

Is especially selected for its uniformity in size, shape and color, being a very dark red. We do not hesitate to recommend it either for market or home garden. It grows to a large size and is unsurpassed as to quality. **Pkt., 10c; oz., 30c; ¼ lb., 85c; 1 lb., \$2.50.**



Detroit Dark Red Beet



Inoculate beans with Nitragin. Greatly improves the vigor of the plants and increases yield immensely. Garden size 10c.



## MANGEL-BEETS (For Stock Feeding)

**CULTURE.** Sow six pounds to the acre in rows three feet apart, and thin to nine inches in the row. Seed should not be sown until the ground is warm and the weather fully settled. Shallow planting is desirable because the seed germinates more quickly and a larger proportion will make vigorous plants than when planted deeply. Deeper planting will be required on sand lands or when the soil is dry. Cultivation should begin within a day or two from planting. Sow one inch deep. Mangels, when fed in combination with grain, are worth almost as much, pound for pound, as the grain. Experience has proved that mangels so aid digestion and assimilation, by keeping the animals in a healthy condition, that they increase the feeding value of other feeds consumed beside the nutrients the roots contain. Mangels, when fed to cows, materially increase the flow of milk.



Improved Mammoth Long Red Mangel

### Giant Red Eckendorf 105 days

The roots are red in color, smooth, long and cylinder shaped. Grow largely above ground. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

### Golden Tankard 102 days

A popular productive mangel, that does well on any soil. Skin golden, flesh yellow zoned, white and very sweet. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

### Imp. Mammoth Long Red

110 DAYS. Is a selection of the very best type of long red mangel. The roots are extra large, often 20 to 24 inches in length, weighing from 14 to 20 lbs. Roots are uniformly straight and well formed, the flesh is white tinged with rose. Easily harvested as roots grow ½ inch or more out of the ground. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

### Mammoth Golden Giant

110 days  
Grows very large, yet it has a very fine, even shape and smooth skin. Flesh is white, firm and sweet. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

### Giant Feeding Half Sugar (White)

90 days  
Is a very large growing sugar beet. A heavy yielder, an excellent feeder, but is not fit for sugar production. Yields nearly as heavy as do other mangels, but supplies for stock feeding a food of very much higher nutritive value. A most excellent feed for stock and poultry. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

### Gould's Reliable Sludstrup Barres

110 days  
It is a reddish yellow color, is very hardy and grows well above ground. Flesh white with faint yellow tinge. A heavy yielder. Pkt., 10c; 1 oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

## SUGAR BEETS

### Gould's Reliable Sugar Beet

90 days  
We consider this to be one of the very best sugar beets for sugar production. Is rich in sugar content, also valuable for stock feeding—rich in vitamins. Pkt., 10c; oz., 20c; ¼ lb., 65c; ½ lb., 85c; 1 lb., \$1.50.

## BROCCOLI

*Broccoli is rich in Vitamins A and C, also high in Vitamin G.*

### Italian Green Sprouting

70 days  
A delicious vegetable, with a distinctive flavor. Cook and serve the same way as asparagus or cauliflower. Forms a large, compact, bluish-green head. After this is cut, the plant produces numerous tender side shoots, each bearing a small head. Continues to bear from 8 to 10 weeks. By successive planting it may be enjoyed right up to freezing weather. Pkt., 15c; oz., 85c.

## BRUSSELS SPROUTS

### Long Island Improved

90 days  
Small heads or sprouts about one to two inches in diameter form on the stocks at each leaf joint. These may be boiled or creamed like cabbage or cauliflower. Pkt., 15c; oz., 80c.

## CABBAGE

*Cabbage is one of the best vegetable sources of Vitamin C—also rich in Vitamins B and G. Green leaves are ten times as rich in Vitamin A as white bleached leaves. Help to keep your digestion, glands, nerves and organs in tone. As a tonic, food, and medicine, it is one of Nature's best.*

**YELLOWS RESISTANT VARIETIES LISTED ON PAGE 6.**

**CULTURE FOR EARLY CABBAGE.** Seed of the early varieties should be sown ¼ of an inch deep in a greenhouse, hotbed, or in boxes in the house, about 6 weeks before the plants are needed for planting out. One-fourth pound of seed produces enough plants for one acre. If, when the second leaves appear, the plants can be transplanted, spacing them 3 inches apart, better and more hardy plants will be obtained. As soon as the soil can be worked in the spring the plants should be removed to the open field and set in rows 2 feet apart each way.

**CULTURE FOR LATE CABBAGE.** The seed may be sown in rows one foot apart or broadcast in the garden, about the middle of May, and the plants set in the field in June.

### Early Jersey Wakefield

62 to 65 days  
The earliest cabbage grown. Heads are very solid and conical in shape with very few outside leaves, which permits closer planting. Fine for home or market gardens. Pkt., 10c; oz., 45c; ¼ lb., \$1.35; 1 lb., \$4.00.

### Golden Acre\*

63 to 65 days  
An early round head variety of the Copenhagen Market type, which heads up ahead of Copenhagen. This excellent variety heads very uniformly, producing a hard head which does not burst easily and which stands shipment well. This is one of the most valuable contributions to our list of cabbage varieties. Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.

### Copenhagen Market\*

68 days  
Heads grow upon a short stem, are solid and large, often weighing from 8 to 12 pounds. It is the largest of the early round-headed varieties. Its quality is extra fine and sweet. The leaves are light green, rather small, saucer-shaped and tightly folded. Excellent for early market and early kraut. Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.

Cabbage plants available in May and June.

For Insecticides see pages 47 to 50.



Copenhagen Market Cabbage

### QUANTITY PRICES

Owing to scarcity of vegetable seeds, no quantity prices are printed in this catalog. Prices in larger amounts than quoted will be forwarded on application.

### All Seasons

85 to 90 days  
It does well planted at all seasons. An excellent variety for fall and winter use. Fine for kraut. The heads are somewhat flattened but nearly round, very solid and of fine quality. The plants are very vigorous and are noted for withstanding the hot sun or a long dry spell. Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.

### Late Flat Dutch

95 to 105 days  
A low growing variety, heads large, bluish-green, round, solid, broad and flat on top. An excellent fall and winter variety, and a good keeper. Pkt., 10c; oz., 45c; ¼ lb., \$1.35; 1 lb., \$4.00.

### Drumhead Savoy

90 to 95 days  
The best of the Savoy or curly leaf type of cabbage. Produces a large solid head upon a short stem. Heads almost round; inside yellow to greenish yellow. It is very sweet and delicious especially after being touched by frost. A good winter keeper. Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.

Use Pyrocide, a non-poisonous insecticide on your cabbage plants.



## CABBAGE—Continued

### Mammoth Red Rock 100 days

Heads are of a deep purplish red color to the very center. A hard heading variety, producing heads 6 to 8 pounds each. **Pkt., 10c; oz., 55c; ¼ lb., \$1.60; 1 lb., \$4.75.**

### Holland★ (Short Stem) 100 to 105 days

The standard winter cabbage, and most remarkable late variety, for storage or shipping purposes. The head is deeper than it is wide and of excellent quality. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

### Danish Ballhead★ 100 to 105 days

This is one of the most largely grown varieties for fall shipping and winter keeping. Heads are large, round and solid. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

### Danish Roundhead★ 100 to 105 days

Is an improved strain of the Danish Ballhead, being shorter stemmed and heavier. It is less liable to blight and is an excellent keeper. Crisp, sweet, tender and unsurpassed for coleslaw or boiling. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

## YELLOWS RESISTANT VARIETIES

### Resistant Detroit★ 65 to 68 days

A yellows resistant, round variety, very similar to Golden Acre, but larger leaves and plant has creamy white interior. Season about the same as Golden Acre. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

### Marion Market★ 75 to 80 days

It is a selection from Copenhagen Market, is very resistant to cabbage yellows; round head and of high quality; tender and crisp fleshed, excellent for kraut. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

### All Head Select★ 80 days

A yellows resistant cabbage that is two weeks earlier in season than Wisconsin All Seasons. This cabbage was secured by selection from All Head Early. A large, flat but deep, short stemmed, solid headed variety. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

### Wisconsin All Seasons★ 90 to 95 days

A yellows resistant strain of All Seasons. This is a short stem drumhead type of cabbage, with a reputation for heading uniformly and heavy yielding. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

### Bugner★ 100 days

A large, late, yellows-resistant strain of the Ballhead type; semi-round and very hard. Heads weigh 8 to 10 pounds; are heavy yielders and good keepers, well adapted for kraut, late market or storage. **Pkt., 10c; oz., \$1.00; ¼ lb., \$3.15; 1 lb., \$9.50.**

### Red Hollander★ 100 days

The only yellows resistant strain of red cabbage. This strain is of good color, hard, ball-shaped head and a heavy yielder. Good for mid-season or late crop. **Pkt., 10c; oz., 80c; ¼ lb., \$2.35.**

### Wisconsin Hollander No. 8★ 100 to 110 days

A very fine strain of yellows resistant cabbage, a selection from Danish Ballhead, but forms a larger head with rather tall stem. A heavy yielder. Head tends to flatten at maturity. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$6.00.**

The vegetables best suited for market are indicated by a star (★) after the name of the variety.

We are headquarters for cabbage plants during May and June. Prices in quantities quoted on request, or call if convenient.

## CHINESE or CELERY CABBAGE

Is a delicious salad plant. It thrives best during the cooler part of the growing season, consequently is generally planted as a fall crop, usually during July. Do not plant too early. Seed should be sown where crop is to mature and the plants thinned to stand about 15 inches apart in the row.

### Improved Chihili (Pe Tsai) 75 to 80 days

This is the very finest of the Chinese Cabbage. The heads are long and slender, weighing from 2 to 5 pounds each. The outer leaves dark green, inner white, tender and sweet. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$4.50.**

## In Health Building—Greens Supply All These:

**Bulk**—Helps digestion and prevents constipation. Crisp, raw foods encourage chewing and stimulate flow of saliva.

**Calcium**—Builds bones, teeth, and blood. Everyone needs it, especially growing children and pregnant mothers.

**Iron**—Makes rich blood. A lack of this mineral causes anemia, mental dullness, and tiredness.

**Vitamin A**—Stimulates growth. It also promotes tooth and bone formation; its lack contributes to night blindness.

**Vitamin B (thiamin)**—Tones up the body. It promotes nerve development, sharpens the appetite, and helps the body make best use of food.

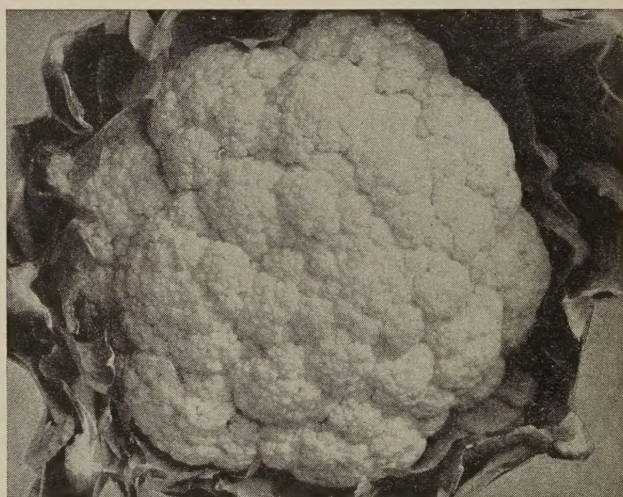
**Vitamin C**—Helps resist infection and build good teeth and bones.

**Vitamin G (riboflavin)**—Promotes growth and keeps eyes and skin healthy. Also valuable in helping body utilize starches.

## CAULIFLOWER

Previous to the war, our best Cauliflower seed came from Denmark, but present stocks are of domestic origin.

**CULTURE.** For early use, the seed should be sown indoors either in a greenhouse, hotbed or in the house about six weeks before setting out. Sow the seed ½ to ¾ of an inch deep. When plants are one or two inches high they can be transplanted to about 3 inches apart, thereby developing into stronger plants. As soon as the soil can be worked and pulverized, the plants may be set out in the open field 2 to 2½ feet each way.



Ball O'Snow Cauliflower

### Ball O'Snow★ 58 days

A more vigorous type of the Snowball variety, producing larger, pure white heads of great depth, weight and unexcelled white color. This new super strain matures early. Try some of this remarkable Cauliflower this year. **Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; 1 oz., \$4.00; ¼ lb., \$14.00.**

### Snowball★ 56 days

The most popular variety for early and general crop. Produces nice snow-white heads 6 to 8 inches in diameter, of extra fine flavor. Is considered a standard by the market gardener, also very desirable for the home garden. **Pkt., 25c; ¼ oz., \$1.10; ½ oz., \$2.10; 1 oz., \$3.75; ¼ lb., \$13.00.**

### Snowdrift★ 58 days

One of the best varieties of Cauliflower for the Market Gardener. It is early, large and makes a beautiful solid white head of excellent quality. Matures with great evenness. **Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; 1 oz., \$4.00; ¼ lb., \$14.00.**

### Super Snowball★ 57 days

One of the best varieties for general market crop. It is early, a sure cropper and very attractive. Heads are compact, medium large, pure white. **Pkt., 25c; ¼ oz., \$1.25; ½ oz., \$2.25; 1 oz., \$4.00; ¼ lb., \$14.00.**

### Danish Giant or Dry Weather 67 days

A larger and later variety that is generally planted for a fall crop. It will stand the dry weather of summer better than any other variety. Delicious flavor and of fine quality. Large heads are white, shaded with cream. **Pkt., 25c; ¼ oz., \$1.10; ½ oz., \$2.10; 1 oz., \$3.75; ¼ lb., \$13.00.**





**Half Long Scarlet Nantes Carrot**

making it very desirable for both marketing and stock feeding. Roots will grow to 7 or 7½ inches in length. This is an excellent bushel carrot and one of the most popular of American varieties. Grows a little longer and larger than Chantenay. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Coreless (Scarlet)

This variety of exceptional quality is recommended for its earliness, sweet mild flavor and uniformity in shape. The roots are very smooth, average about 5 to 6 inches in length. The flesh is an attractive rich orange red color, sweet and tender, entirely devoid of stringiness. A good keeper. **Pkt. 10c; oz. 65c; ¼ lb. \$2.00; 1 lb. \$5.00.**

### Half Long Scarlet Nantes\*

Almost coreless, brittle, and fine grained with mild sweet flavor. Roots are of reddish orange color, and 6 to 7 inches long when mature. It is one of the finest carrots grown for market or the home gardener. **Pkt. 10c; oz. 65c; ¼ lb. \$2.00; 1 lb. \$5.00.**

### Oxheart or Guerande

Earlier than the Danver's but only 2½ to 3 inches long, easily lifted from the ground. The flesh is bright orange, fine grained and sweet. An excellent carrot for home use or stock feeding. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Oregon Chantenay\*

A special strain selected from Chantenay which produces very smooth roots about one inch longer than regular Chantenay and of more even diameter the whole length of the carrot. It has proven popular with market gardeners and shippers. It is the best carrot for early bunching. The roots are of deep orange color with small uniform core. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Imperator\*

Very attractive roots 7 to 8 inches long, slightly tapering. Sloping shoulder with slender tops firm enough to bunch well. The color is deep orange which extends to the center with a very small core. Specially adapted to peat land. Sow late for fall crop. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Improved Long Orange

A heavy yielder for light soils when roots may be easily dug. Roots are orange scarlet, fairly thick and as a rule grow entirely underground, thus having no green shoulder. 10 to 12 inches long when matured. Fine for table or stock feeding. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Mastodon or Improved Short White

Roots half long, 7 to 9 inches in length, smooth, very heavy at shoulder and tapering to point. Color creamy white with light green crown. White flesh, solid, crisp, and of excellent quality for stock feeding. **Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.**

## CARROTS

**CULTURE.** For the best results the soil should be well worked to a good depth. For early use sow seed in rows 15 inches apart as early in the spring as the soil can be worked, sowing about 2 lbs. of seed per acre and cover the same with ½ inch of soil; but for main crop, sow about corn planting time, using 3 lbs. of seed per acre and the seed should be covered with nearly an inch of soil. One ounce of seed will sow 200 feet of row. Make the rows two feet apart to allow for cultivation. When the plants are 3 inches high thin to 3 inches apart in the row.

### Chantenay\* (Select Stock) 68 days

The Chantenay Carrot has been the favorite with the market gardeners for many years. Our select seed is recommended as best for general use. The flesh is of a beautiful orange color and of fine texture, tender and very sweet. About six inches long. Excellent for bunching. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Imp. Danver's Half Long\* 75 days

Is a well-known stump rooted variety. The root is of a rich dark orange color, smooth and heavy yielding, making it very desirable for both marketing and stock feeding. Roots will grow to 7 or 7½ inches in length. This is an excellent bushel carrot and one of the most popular of American varieties. Grows a little longer and larger than Chantenay. **Pkt. 10c; oz. 50c; ¼ lb. \$1.25; 1 lb. \$4.00.**

### Victoria or Yellow Belgian (Stock Feeding)

90 TO 100 DAYS. A large yellow stock carrot by far the largest yellow carrot grown. The roots are exceptionally fine for all kinds of stock feeding, possessing high feeding properties. It is a heavy cropper on all kinds of soil, but is especially adapted for rich, sandy loam. **Pkt. 10c; oz. 25c; ¼ lb. 85c; 1 lb. \$2.50.**

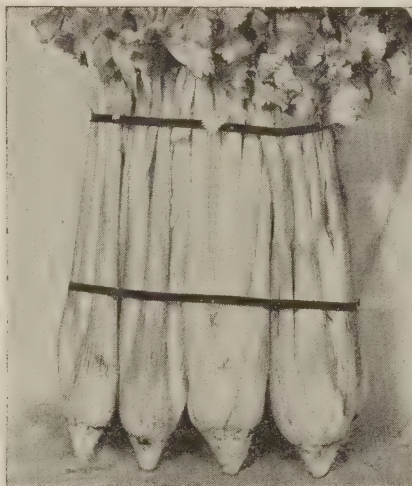
## CELERIAC

**CULTURE.** Celeriac seed may be treated the same as celery until outdoor planting. Plant in rows 14 inches apart, 3 or 4 inches apart in the row.

### Large Smooth Turnip Rooted

120 days

This vegetable deserves a wider recognition by growers or home gardeners. Is fine for flavoring soups, stews, or roots may be cooked up like parsnips. Has a celery flavor. **Pkt. 10c; oz. 75c; ¼ lb. \$2.00.**



**Gould's Reliable Self Blanching Celery**

## CELERY

**CULTURE.** For early crop seed should be sown indoors in February or March. The surface of seed bed should be covered with sand to hold moisture without becoming crusted. When seedlings are big enough to handle they should be transplanted to develop the roots and harden the tops. Plant out in the open when danger of severe frost is past and the soil can be worked up properly.

### EAT CELERY FOR HEALTH

Celery is a health builder, and besides vitamin B, contains valuable mineral salts, which assist your organs to function, aids digestion, glands and nerves.

### Gould's Reliable Self Blanching\*

115 to 125 days

The seed is American grown of French stock which has been brought to its present high standard of perfection after many years of careful selection. The stalks are tender, crisp and very fine flavored. It is almost double the size of the common strain. **Pkt. 10c; oz. \$1.00; ¼ lb. \$3.00; 1 lb. \$10.00.**

### Giant Pascal\*

135 days

This is a late winter variety of the green type of celery. The plants grow 36 to 40 inches in height; color of stalks and leaves is green. One of the best quality celery types and has a delicious, sweet and fine nutty flavor. **Pkt. 10c; 1 oz. 75c; ¼ lb. \$2.00; 1 lb. \$7.00.**

### Salt Lake or Utah\*

125 to 130 days

Salt Lake grows to a good height and produces stalks that are crisp and tender with a delicious flavor. This celery will bleach much quicker than any other green variety. It is also very desirable for late storing. **Pkt. 10c; oz. 75c; ¼ lb. \$2.00; 1 lb. \$7.00.**

## CELTUCE

A new vegetable from far-off China. It is a distinct species of lettuce, but is different from ordinary lettuce in its growth and uses. The young leaves may be eaten as a salad or cooked as "greens." The center stalk, after outer skin is removed, may be eaten raw or cooked like celery or asparagus. Celtuce is delicious with a taste slightly suggesting that of celery, but different and milder. **Pkt. 10c.**

## CHICORY

Used as a winter salad. May be used as a Cos Lettuce, and is delicious when served with salad dressing. The plants form long parsnip-shaped roots that are lifted in the fall, trimmed of leaves, and stored in soil in a cool place until wanted for forcing. **Witloof. 150 days. Pkt. 10c; oz. 80c; ¼ lb. \$2.35.**

## CHIVES

Are hardy perennial plants of the onion type. The tops are used for flavoring. Quicker results are obtained by setting out plants than by seeding as seedlings will not do much the first year, while the sets or plants will multiply very rapidly. **Pkt. 15c; oz. \$1.50.**



## SWEET CORN

**CULTURE.** Have your soil well prepared but do not plant sweet corn until the ground is warmed up thoroughly. Then the early varieties may be planted in hills 30 inches apart both ways while the later varieties should be planted 3 to 3½ feet both ways. Plant 5 or 6 kernels to the hill from 1 to 2 inches deep.

**Kingscrost Hybrid★** (8 Row Single Cross M-13) 72 days  
This is a true hybrid from inbreds developed out of Extra Early Golden Bantam. Very uniform in maturity. This yellow ear is long for an early corn, averaging about 6½ inches. Has a high sugar content and excellent quality. It has been one of the outstanding early 8-row hybrids tested with the market gardeners during past years. **Pkt. 15c; ½ lb. 35c; 1 lb. 60c; 2 lbs. \$1.10; 5 lbs. \$2.50; 10 lbs. \$4.50.**

**Earliest Golden Sweet★** 70 days  
It is as large as Golden Bantam. The stalk height is about 5 feet and ear length about 6 inches; 8 rowed, good yellow color, excellent quality. The extreme earliness and excellent quality make it outstanding. Especially adapted to areas of short growing season. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.25.**

**Early Golden Market★** (Golden Hummer) 72 days.  
An early yellow sweet corn that is very popular with the market gardeners. It is larger than Sunshine and about one week earlier. It is also a good yielder. 6 to 7 inches long, mostly 12 rows of kernels. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

**Golden Sunshine★** 70 to 76 days  
In this corn of rich golden color we find a fine sweet variety maturing a week or ten days earlier than Golden Bantam. Large for an early variety. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

**Marcross Hybrid C 6 x 13★** 76 days  
This single cross is a good early, wilt-resistant, large eared yellow variety. Ears 10 to 14 rowed, 6½ to 7 inches long, kernels medium yellow. **Pkt. 15c; ½ lb. 35c; 1 lb. 60c; 2 lbs. \$1.10; 5 lbs. \$2.50; 10 lbs. \$4.50.**

**Hybrid 8 Row Blend** 70 to 85 days  
This is a blend of five different well known named hybrids, primarily for home gardens. There is a spread of ten days to two weeks in picking dates. The stalk height and ear type are similar all the way through. **Pkt. 15c; ½ lb. 30c; 1 lb. 50c; 2 lbs. 90c; 5 lbs. \$2.00.**



Golden Giant  
Evergreen

Treat sweet corn seed with Semesan Jr. Makes early planting safer, improves quality and crop yields. See page 49 for Semesan prices.

**Golden Bantam★** Extra Early 76 days  
Recognized by most everyone as the sweetest corn grown. It produces a fair sized ear of beautiful golden yellow kernels. May be planted at intervals of two weeks until July 1st. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

**Golden Giant★** 90 days  
Because of the extreme tenderness, combined with the rich, exquisite sugary flavor, the Golden Giant has become the standard of perfection for sugar corn. Ears 7 to 9 inches long, 12 to 16 rows of deep kernels. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

**Black Mexican** 92 days  
Many consider this sweet corn the sweetest of all for its delicious flavor and fine grain qualities. The ripe kernels are bluish-black. At eating stage the kernels are bluish-white. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c.**

**Golden Giant Evergreen★** 95 days  
A large yellow sweet corn. The ears are 8 to 9 inches long and contain 12 to 14 rows of beautiful yellow kernels. The flavor is very much like Golden Bantam. Matures about 2 weeks later. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

## Early Evergreen

95 days

Produces large white ears of extra fine quality, which mature a few days ahead of Stowell's Late Evergreen. We recommend it very highly for both home and market gardens. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

**Golden Colonel** (Golden Country Gentleman) 91 days  
Received Award of Merit in the 1936 All-America Vegetable selections. Golden Colonel is identical to Country Gentleman in every respect except for its bright yellow color. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75.**

**Country Gentleman** 98 days  
A great favorite for the home garden. It does not grow very large but the white kernels being very deep and packed so tightly together that the food value from one ear is almost as great as that on larger ears. The flavor is delicious. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

## Stowell's Late Evergreen

98 days

The best known and most popular late variety. Its large ears with long deep white kernels of a rich sugary flavor cannot be surpassed. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

## POP CORN

**CULTURE.** Sow in rows 3 feet apart, 2 to 3 inches deep, as soon as danger of frost is over at the rate of 4 to 6 pounds to the acre, or 1 ounce to 40-foot row. Thin plants to 10 to 12 inches in the row. Care in curing determines popping qualities.



Stowell's Evergreen

## Gould's South American

This variety has become very popular. The kernels are nearly round and deep orange in color. When popped the kernels are nearly twice the size of other corn and are of a creamy yellow color. Popped kernel has no hard center. The stalks grow 6 to 8 feet high and produce 2 to 3 large ears on each stalk. **Pkt. 15c; ½ lb. 25c; 1 lb. 45c; 2 lbs. 85c; 5 lbs. \$2.00; 10 lbs. \$3.75.**

## Minhybrid 250

A hybrid hullless white popcorn developed by the University of Minnesota, which is more vigorous and produces better and more uniform popping corn. **Pkt. 15c; ½ lb. 35c; 1 lb. 60c; 5 lbs. \$2.75; 10 lbs. \$5.00.**

## Gould's White Dwarf Hullless

Very tender and almost hullless. Ears are short and chunky. Although the kernels are very small they pop to large size, being very tender and brittle. **Pkt. 15c; ½ lb. 25c; 1 lb. 40c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.25.**

**Prices** Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

## COLLARDS

A tall loose-leaved plant that does not form heads, but leaves similar to cabbage or kale. It is used as greens for the table. Sow seed ½ inch deep, thickly. Transplant when 4 inches high. Thin to 2 to 3 feet apart in the row.

## Georgia or Southern

80 days

Grows about 2 to 3 feet tall, producing large light green leaves. Light frost improves the crop. **Pkt. 5c; oz. 10c; ¼ lb. 35c; 1 lb. \$1.00.**

## CRESS

**CULTURE.** Sow seed thickly in shallow drills 12 inches apart in the spring, and for a succession every two weeks. One ounce of seed required for 200 feet of drill.

## Fine Curled (Pepper Grass)

40 to 50 days

Quick growing; leaves finely cut like parsley; growth dwarf and compact; crisp and pungent. Cut the greens before they get too tall. Splendid for garnishing. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.**



# CUCUMBER

**CULTURE.** Plant in hills 6 feet apart each way, 10 to 20 seeds may be planted in each hill, covering a circle 15 inches in diameter. When plants are three or four inches high they may be thinned to 5 or 6 to a hill, allowing for cutworms and beetles destroying one or two. Cultivate frequently until the vines cover the ground. The seed may also be started in berry boxes by placing them in a hotbed. When the weather is suitable—settled and warm—remove the box as plants are placed in the garden. The fruit should be gathered as soon as large enough for use, or else the productivity of the vines will be permanently injured. One ounce of seed is required for 60 hills; two to three pounds per acre.

## Straight-8★

63 days

Outstanding as a shipping cucumber, also recommended for the home garden. 1½ inches in diameter, 8 inches long, and well rounded at both ends. Deep green in color and free from striping. Awarded All-America gold medal in 1935. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$3.50.**

## Black Diamond★

60 days

Very prolific, dark green, about 8 inches long, 2½ inches thick. Very early. A fine shipper. Stays green long after picking. The flesh is pure white. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## The Vaughan★

72 days

Is one of the finest extra long cucumbers grown. The average length when matured is from 12 to 15 inches and the diameter from 2 to 2½ inches at the center, tapering gradually at both ends. Excellent for table. White spined. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$3.50.**

## Longfellow★

72 days

An excellent, long, slender dark green variety, equally desirable for greenhouse forcing or outdoor culture. This is an ideal cucumber for the market gardener, growing 12 to 14 inches in length, of vigorous habit. White spined. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$3.50.**

## Davis Perfect★

65 days

A selected strain of Long White Spine which retains its dark green color and good qualities long after being picked. It is crisp, solid, of fine flavor and has very few seeds. Will average about 10 inches or more in length, is quite slender, tapering slightly at both ends. The Davis Perfect makes a splendid cucumber to grow for pickling, as well as for table. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## Dark Green Shipping★

65 days

An improved strain of White Spine, developed to stand shipping. The deep green color holds up under long periods of shipment. Tapers slightly. Matures 8 to 9 inches long. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## Improved Arlington White Spine★

60 days

One of the earliest and most popular cucumbers of the White Spine family. This improved strain is much superior to the old sort. The skin is dark green, the flesh firm but tender and of delicious flavor. Good for slicing or pickling. Is a heavy yielder and measures 6 to 9 inches in length. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## Stays Green★

60 days

A splendid variety, 7 to 8 inches long, 2½ inches thick. Glossy dark green, white spined, cylindrical. Retains its color a long time. Young fruit fine for pickling. Mature fruit adapted to packing and shipping. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**



**Gould's Pickling Cucumber.**

**About One-half Actual Size**

## Gould's Pickling

56 days

A big favorite for those who want a small pickle. Produces a heavy yield of deep green, square ended fruits, broad at stem end and tapering slightly to the tip, of very uniform size. About 5 inches at maturity. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## Climbing

60 days

A vigorous grower. Very desirable for planting along fence or trellis in small gardens. A real climber that does best on a pole or trellis. Fruit about 9 inches long, tender and crisp. A medium dark green color. Quite resistant to disease, black spined. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25.**

## PRICES IN 1943

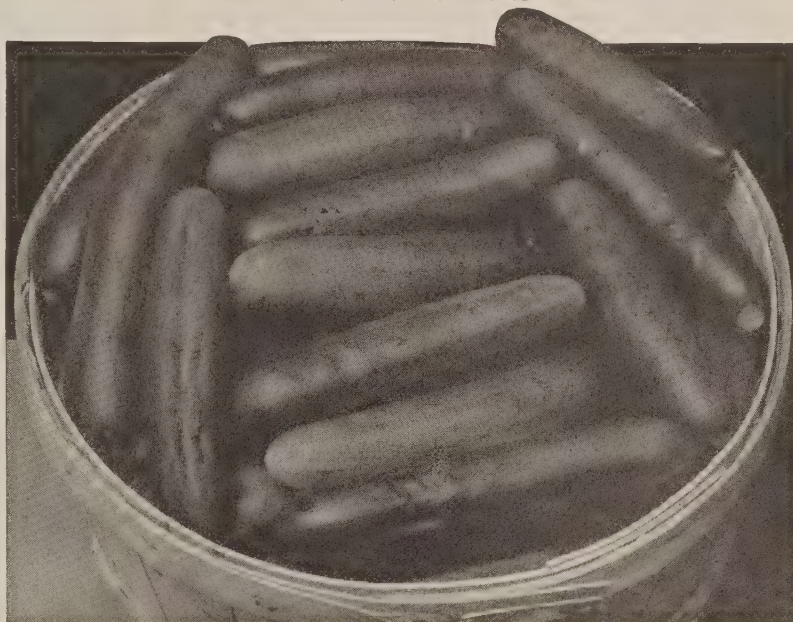
Business is now operating under abnormal conditions and we cannot be responsible for any changes in price that may occur after this catalog is printed. All prices quoted are subject to increased cost of merchandise, labor, taxes, and government restrictions beyond our control.

Due to the difficulties of the situation, our delivery prices are based on present operating conditions and we cannot be held responsible for failure to meet these delivery promises when causes beyond our control make it impossible for us to do so. Therefore, all prices quoted are subject to change without notice.

## Early Fortune★

65 days

One of the leading early White Spine varieties with a rich dark green color. It grows about nine inches long, slightly tapering at both ends. Has very few seeds. The white flesh is firm and crisp. A good shipper. Fine for table, market or for pickles. A heavy producer, disease resistant. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**



**Straight-8 Cucumber**

## Long Green★

70 days

Produces dark green fruit from 10 to 14 inches long. Flesh is firm and crisp. Fine for slicing, also desirable for ripe cucumber pickles, the best variety to use for yellow pickling. The bulk of the crop matures late and is in much demand for both the home garden and for market gardeners. Black spined, one of the most popular. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$3.50.**

## Boston Pickling

58 days

Very productive, and grown mostly for pickles. The fruit is black spined, bright green in color, and smooth. Flesh crisp and tender. Grows 6 to 7 inches long. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## Chicago or Westerfield Pickling

59 days

About 7 inches in length, 2½ inches thick, blunt at both ends, and has large black spines. Is very prolific, and a favorite of many who grow pickles on a large scale. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## National Pickling★

54 days

An early maturing strain of medium size, deep green, very solid, uniform pickles. Stay just as firm after pickling as before. Very productive. An excellent pickling variety. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## Snow's Pickling

55 days

A small, early, deep green variety; a favorite among pickle growers. Very productive, maturing uniformly, of excellent quality. **Pkt., 10c; oz., 25c; ¼ lb., 90c; 1 lb., \$3.00.**

## DILL

The young green stems are used for flavoring soups and sauces. The dried branches and seeds are much prized for flavoring pickles, and the seeds are used for flavoring sauerkraut. **Pkt., 10c; oz., 20c; ¼ lb., 70c; 1 lb., \$2.00.**



## EGGPLANT

**CULTURE.** Sow in hotbed in March and April, and when two inches high transplant to pots or boxes to develop root growth. About June 1st plant in field or garden 2½ to 3 feet apart each way and cultivate same as cabbage or tomato. Protect young plants from sun as much as possible, also from potato bugs.

### New York Spineless★

85 days

The leading variety for home gardens and market. The plants are stocky and low branching and produce extra large dark purple fruit of perfect shape. Is the handsomest type and most perfect strain of Eggplants, usually bearing 4 to 6 large fruits of the finest quality during a season. **Pkt., 10c; oz., 65c; ¼ lb., \$1.75.**

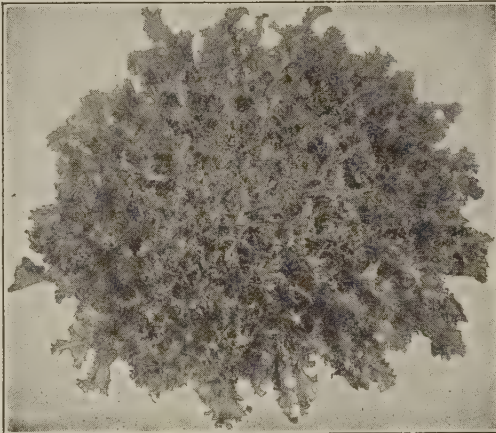
### Black Beauty★

82 days

Slightly earlier than the New York Spineless but not so large. The skin is of a rich dark purple color, and very desirable for market as it holds its color for a long time. Shape nearly round. **Pkt., 10c; oz., 65c; ¼ lb., \$1.75.**

## ENDIVE

This plant furnishes attractive and appetizing salad for the fall and winter months, or by repeated sowing a supply may be had nearly all the year 'round. Useful in flavoring soups, stews, etc. Makes delicious greens if cooked like spinach. Cultivation same as for lettuce.



Green Curled Endive

### Broad Leaved Batavian★ (Escarolle) 90 to 95 days

One of the best varieties for salads. Leaves are broad, more or less twisted and waved with bright deep green, with nearly white midrib. Inner leaves form a fair head which blanches to a creamy white. Crisp, tender, and of fine flavor. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

### Deep Heart Fringed (1940 All-American)★

A new type, upright in growth, so that outer leaves do not lay on the ground. The well-filled hearts are closely packed with an abundance of fine leaves blanching to a clear creamy yellow. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.75.**

### Green Curled★

90 to 95 days

A hardy and vigorous grower, with bright deep green leaves finely cut. The leaves should be tied up in the shape of a head for 3 or 4 weeks before using. Is very popular with market and home gardeners. **Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50.**

## GARLIC

Garlic belongs to the Onion family. It has flat leaves and the bulb is composed of several parts similar to those of a multiplier onion set. Garlic is highly esteemed for flavoring soups, stews, etc.

**CULTURE.** Prepare the ground as for Onions; separate the sets and plant them eight inches apart and four to six inches apart in the drill, covering two inches deep. When the leaves turn yellow, pull up bulbs. Dry in the shade. **½ lb., 30c; 1 lb., 50c.**

## KALE

**CULTURE.** Sow in May or June and cultivate the same as cabbage. Makes excellent greens and is improved by light frosts. More hardy than cabbage.

### Dwarf Curled★

55 days

A very finely curled dwarf spreading variety. Foliage is long and bright green. Is even more hardy than cabbage. Produces excellent greens for winter and spring. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25.**

### Tall Curled★

60 days

This variety grows to a height of two to three feet, bearing long plume-like leaves of a light green color. Is rather improved than injured by fairly heavy frosts. Crop failure. Cannot supply in 1943.

## HERBS

Most of the varieties of herbs thrive best on sandy soil, while some are stronger and better flavored when grown on soil that is rather poor. In all cases the soil should be carefully prepared and well cultivated as the young plants are for the most part easily choked out by weeds. Sow as early as the ground can be made ready.

**Anise.** Grown for its aromatic seeds used in flavoring. **Pkt., 10c.**

**Basil, Sweet.** Leaves clove flavored and shoots used for flavoring soups, stews, omelets and as garnish for salads. **Pkt., 10c.**

**Caraway.** Seed used for flavoring bread, cake, confectionery, etc.; leaves for soups as well as meat. **Pkt., 10c.**

**Coriander.** Seed used for beverages. **Pkt., 10c.**

**Dill.** See bottom of page 9.

**Fennel, Sweet.** A hardy perennial plant with finely cut foliage. Young shoots are used in salads, soups and fish sauces. Seed used in confectionery and for medicinal purposes. **Pkt., 10c.**

**Lavender.** Medicinal, also used as a perfume. **Pkt., 10c.**

**Marjoram, Sweet.** Tender young shoots and leaves which are used green, or dried for flavoring soups, dressings, etc. **Pkt., 10c; oz., \$1.00.**

**Saffron.** Used for medicine and also in dyeing. **Pkt., 10c.**

**Sage.** For seasoning; counteracts effects of fatty food. Cut the leaves and tender shoots just as the plant is coming into flower. Dry quickly in the shade. **Pkt., 10c; oz., \$1.50.**

**Summer Savory.** Dried leaves, stems and flowers used for flavoring soups and dressings. **Pkt., 10c; oz., \$1.50.**

**Thyme.** Used for a headache tea, also for flavoring omelets, soups, salads, stuffing, etc. **Pkt., 10c; oz., \$2.00.**

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The vegetables best suited for market are indicated by a star (★) after the name of the variety.

## KOHL RABI

**CULTURE.** Sow in drills 15 inches apart. ½ to ¾ inch deep. When a few inches high thin to 6 to 8 inches apart in the row and cultivate same as beet. Bulbs grow above ground. Roots should be prepared like turnips or cauliflower for cooking. Are much sweeter than turnips.



Early White Vienna Kohl Rabi

### Early White★

55 to 65 days

Very early, producing small white bulbs. Used especially for forcing. One of the best for table use. Eat when about 2 inches in diameter. **Pkt., 10c; oz., 75c; ¼ lb., \$2.50.**

### Early Purple

60 to 70 days

The bulbs are purple on surface; the flesh light green. A few days later than the White but a little larger and more heat resistant. Flesh mild, crisp and tender. Crop failure. Cannot supply in 1943.

## LEEK

**CULTURE.** Sow about May 1st in drills 12 inches apart from ½ to 1 inch deep. When 6 inches high transplant to rows 15 inches apart and 5 inches apart in row, setting the plants in the ground up to their center leaves and drawing this ground up as they grow, causing them to bleach.

### American Flag★

115 days

A strong growing variety, producing large thick stems which have a sweet flavor. Leek is excellent for stews, soups, or creamed. Leek is closely allied to the onion, but milder in flavor. **Pkt., 10c; oz., 85c; ¼ lb., \$2.50.**



# LETTUCE

**CULTURE.** Lettuce is the most popular of all salad plants and at the same time is one of the easiest to grow due to its comparative freedom from disease and insects. Seed may be sown in the open from April 20th to August 1st, or planted in the house or in frames any time after March 10th.

Rows should be 1½ feet apart, plants four inches apart in row after thinning. One ounce of seed will sow 150 feet of row, 2 to 2½ pounds required per acre.



Grand Rapids Lettuce

## LOOSE LEAF VARIETIES

**Grand Rapids★** 43 to 45 days  
The most popular variety to grow for market. When exposed for sale it retains its handsome fresh appearance longer than any other variety. Leaf is curly and of light green color and crimped at the edge. Disease free. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

**Black Seeded Simpson★** 40 days  
One of the best and most popular varieties of leaf lettuce. Recommended for spring and early summer planting. Color light yellowish green, its large leaves are thin, tender and sweet. One of the finest for home garden and a favorite market lettuce. Very heat resistant. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

**Prizehead** 45 days  
The name is rather deceiving, Prizehead being a crisp and tender, loose leaf sort with a reddish brown tint on edges of outer leaves. Of quick growth and sweet flavor, distinct from any other variety. One of the best for the home garden. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

**Chicken Lettuce (For Poultry Feeding)**  
So called on account of the abundance of greens it furnishes for poultry feeding or for rabbits. Will come quickly again after cutting. Will send up stalks three to four feet long. Of little value for table use. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

## HEADING VARIETIES

**CULTURE FOR HEAD LETTUCE.** If lettuce plants have been started indoors they should be transplanted as soon as they begin to crowd. Place them six to twelve inches apart in the row in extra rich soil and if the sun has become very hot, it will be best to furnish partial shade.

**May King★** 63 days  
A very early compact heading variety for forcing or early spring planting. The outer leaves are of a light green, tinged with reddish brown. The heart bleaches to a rich, golden yellow, having a fine, rich buttery flavor. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**

**Big Boston★ (White Seeded)** 76 days  
A heading variety forming a good sized solid head which is light golden yellow inside, of excellent quality. The outer leaves are bright green and edges are tinged with brown. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**

**Crisp as Ice** 74 days  
A medium sized head with outler leaves variegated brown and green. Inside creamy white, tender with pleasing flavor. Has a delicious flavor and is the ideal lettuce for the home garden and local market. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**

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## Iceberg

80 days  
Heads are large and firm and well blanched. Color of leaves is light green with faint brown tracing on the border. A quick grower, heads always crisp, very sweet and tender. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**

## Hanson Head

80 days  
Color clear light yellowish green. A fine variety for mid-summer planting as it stands extremes of weather better than most sorts. Much in demand by both the market and home gardener. The hard cabbage-like head has a sweet and rich flavor, even to the outer leaves. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**

## New York★ No. 12

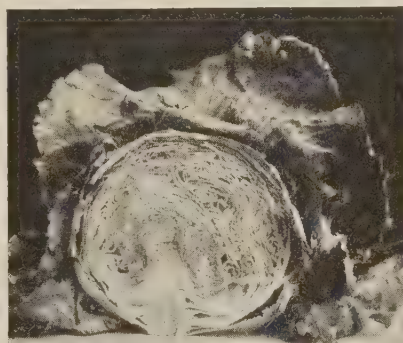
75 days  
An early strain of the New York type which withstands heat better and is more adapted for summer growing. The color is medium green, the heart blanching beautifully, being crisp, tender and delicious. **Pkt. 5c; oz. 35c; ¼ lb. 90c; 1 lb. \$2.50.**

## New York★ No. 515

80 days  
An improved type of New York No. 12. The heads are more conical in shape. The frame is medium to large and the leaves overlap nicely. In trials it was the most sure heading of the New York types. Resistant to tipburn. **Pkt. 5c; oz. 35c; ¼ lb. 90c; 1 lb. \$2.50.**

## Cosberg

76 days  
A white seeded home garden heading variety. Heads small and compact. Outer leaves light yellowish green, crumpled and frilled. Heads in summer and resists tipburns. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**



## Imperial No. 44★

82 DAYS. Has very long well-folded leaves and produces hard well-formed heads under favorable conditions. A good header on peat and muck soils. **Pkt. 5c; oz. 35c; ¼ lb. 90c; 1 lb. \$2.50.**

## Salamander

72 days  
It forms large solid heads of thick, smooth, light green leaves and tender white heart of fine quality. It withstands hot weather remarkably well, and remains in head a long time before going to seed. One of the best outdoor heading varieties. **Pkt. 5c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.00.**

## MUSHROOM SPAWN

Propagated under the most advanced scientific pure culture methods. Ready to plant. Enough to plant 6 to 9 square feet. With full instructions, 30c postpaid.

## MUSTARD

A very quick growing foliage plant that is grown principally for greens. Mustard greens have a rich flavor and are fully as healthful and nutritious as spinach.



Giant Southern Curled★

Used largely for salads or greens. Grows very large with yellowish-green beautiful curled leaves. Very tender, of fine pungent flavor. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

Southern Giant Curled Mustard

## Smooth Leaf

An excellent variety with very large, light green, fairly smooth leaves, with white mid-rib borne well above the ground. A vigorous grower. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

## Tendergreen

A mild-flavored mustard-spinach. Foliage may be used for greens when plant is quite young and until it is matured. Cook same as spinach or other greens. Grows fast with long, broad, fairly smooth leaves. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**



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## MUSKMELON

**CULTURE.** Muskmelons do best on moderately rich light, warm mellow loam. Do not plant until the ground has warmed thoroughly, as they will start quicker and withstand the attacks of insects so much better. Plant in hills 5 or 6 feet apart both ways. Mix in the hill before planting, one large cupful of commercial fertilizer. Plant 1 inch deep, 10 to 15 seeds to the hill. When plants are 3 inches high, thin to 4 or 5 in a hill, leaving the best plants.

### Gould's Osage★

95 days

A selected strain of Miller's Cream or Osage. The fruit is nearly round and slightly ribbed. The skin is dark green and partly netted. The flesh is of a deep salmon color, very thick and sweet. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Golden Osage★

95 days

An improved strain of Osage melon combined with the Yellow Meated Japan. The flesh is of a fine golden yellow, very thick meated and the flavor is delicious. The skin is of a light yellowish tint and partly netted. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Bender's Surprise★

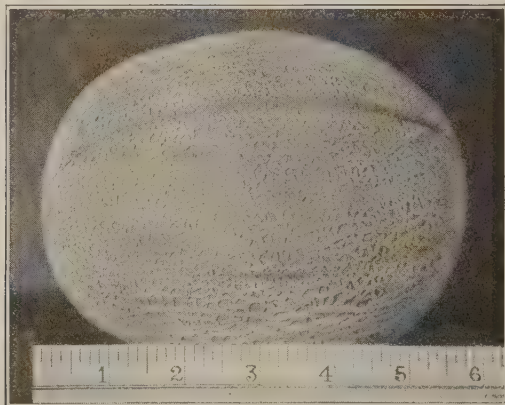
87 days

A very fine large, round, salmon-fleshed melon of exceptional flavor. The skin is dark green becoming light yellow at maturity. Fairly well netted, attractive and a good shipper. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Hale's Best★

80 to 90 days

A remarkably early shipping melon from the Imperial Valley of California. The melon is oval in shape, about 6½ inches long by 5½ inches in diameter with very heavy netting and distinct ribbing. The flesh is exceptionally thick and a deep salmon in color. It is very sweet and a good keeper. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**



Hale's Best Muskmelon

### Oregon Delicious★

92 days

The fruits usually weigh 6 to 8 pounds. The shape is oval with a distinct little neck at the stem end. The fruits are slightly ribbed with a creamy green color when mature. The flesh is thick, salmon colored and of excellent quality. The melons are quite heavily netted and of attractive appearance. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Delicious★

90 days

This is perhaps the largest of the early muskmelons. Is especially recommended for roadside markets and local fruit and vegetable stands. It is well netted and has a very delicious flavor. The skin is light green and the flesh a beautiful yellow. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Improved Hoodoo, or Hearts of Gold★

90 days

Medium size, round and slightly ribbed. The skin is thickly netted and the flesh a rich, deep orange color of fine quality, with a very small seed cavity. Very solid and firm. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

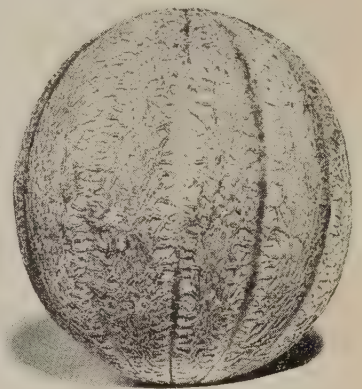
**GARDEN TOOLS.** We handle a complete line of Planet Jr. garden drills and cultivators, also weeders, hand cultivators, etc. See pages 54 to 58.

The melons best suited for market are indicated by a star (★) after the name of the variety.

### Pride of Wisconsin★

90 days

A new most attractive melon both on the outside and when cut. The rind is very hard, of a pearly gray color, with a faint rib, heavily covered with a distinctive netting. Ripens to a yellowish shade. The salmon colored flesh is unusually thick with sweet and fine flavor. Has many of the desirable characteristics of the Sugar Rock. Adapted to home gardens and short distance shipping. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.**



Pride of Wisconsin Muskmelon

### Schoon's Hard Shell★

90 days

An excellent new market melon, which weighs five to seven pounds, is thick, oval shape with a heavy blossom scar which resists cracking. Ribbing is prominent with coarse netting. Gray-green color becoming yellow at maturity. Very hard and tough. The thick flesh is deep salmon-orange, solid, well flavored and of excellent quality. Fruits average 6 inches in diameter, 7½ inches in length. **Pkt. 10c; oz. 35c; ¼ lb. \$1.00; 1 lb. \$3.00.**

### Milwaukee Market★

87 days

For home garden, roadside market or early shipping. Fruit of medium size, nearly round, lightly ribbed and fairly netted; skin light green, flesh thick, salmon colored and very sweet. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Golden Gopher★

85 days

The Golden Gopher muskmelon is a new introduction by the Minnesota Agricultural Experiment Station, which combines Fusarium wilt-resistance, earliness, and high eating quality. It is slightly oval shape, skin is netted, grayish green when immature, becoming a definite yellow when mature. Flesh is orange. Not adapted to distant shipping. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Early Sunrise★

80 days

A very early melon of the Bender's Surprise group. It is one of the earliest yellow meated melons on the market. The fruit averages around five pounds, is round oval in shape, and the flesh is deep orange, sweet with a pleasing flavor. The outside appearance is light yellow with very little netting. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Sugar or Honey Rock★

85 days

An excellent variety of melon of high quality and very fine flavor. The flesh is a rich salmon, the skin a grayish green color becoming pale yellow at maturity with heavy, coarse netting. The shape is almost round and very solid. Very desirable for home garden and local market. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Golden Champlain★ (Regular)

80 to 90 days

It is heavily netted, has a thin but tough rind, very thick flesh and small seed cavity. The flesh is salmon-orange, very juicy and sweet. It is fine grained, free from stringiness and uniformly delicious clear to the rind. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Golden Champlain★ (Originator's Strain)

80-85 days

This is similar to regular strain excepting plant is more vigorous, setting melons even under adverse conditions. **Pkt., 10c; 1 oz., 35c; ¼ lb., \$1.00; 1 lb., \$3.00.**

### Golden Marvel★

96 days

A new melon that will find favor with growers who wish to grow the best. They weigh from 5 to 8 pounds each. The flesh is a very deep orange color and the flavor is delicious. **Pkt. 10c; oz. 25c; ¼ lb. 75c; 1 lb. \$2.25.**

### Sudbury Home Gardeners' Soil Test Kit

This simple, practical, easy to use kit is your best insurance of gardening success. Tests for nitrogen, phosphorus, potash and acidity. No technical skill required. Complete with instructions and data on plant needs, \$2.00.



# WATERMELON

**CULTURE.** The soil must be rich, light, sandy loam to obtain best results. Plant in hills 8 to 10 feet apart each way, putting 10 to 15 seeds in each hill from ½ to 1 inch deep. When 3 inches high, thin to about 4 plants in each hill. Cultivate often.

## Northern Sweet★

75 days

This is a variety of watermelon introduced from Russia by the Minnesota Agric. Experiment Sta. It is very early and of high quality. The melon is small weighing from 10 to 12 pounds. The color is medium green with lighter stripes. Flesh is dark red, crisp and exceptionally sweet. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## Harris' Earliest

80 days

A large early melon of oval shape. Skin dark green with light green stripes. Flesh bright red, and very delicious. One of the first maturing melons. Excellent for home garden and local market. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## Fordhook Early★

85 days

An extra early watermelon of large size. The rind is tough, making it desirable for shipping purposes. Flesh is bright red and very sweet. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## Improved Klondike★

85 days

The flesh is a distinctive shade of deep red. The rind is dark green; the shape is oblong with an average weight of 25 pounds. While more a home garden and local market variety, it is adapted for shipping moderate distances. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

## Dixie Queen

85 days

Skin is light green striped dark green. The flesh is bright red, very firm and fine flavored. Is almost round and weight about 30 pounds. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

## Kansas King★

85 days

This variety is also known as Early Kansas, Red Seeded Wichita, Hutchinson and Red Russian. The size is quite large, averaging about 25 to 30 pounds. The flesh is red, fine grained and of excellent quality, very sweet. The outside appearance is dark green with alternating stripe of lighter green. The rind is medium thick which makes it suitable for trucking or shipping short distances. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## The Will Rogers★

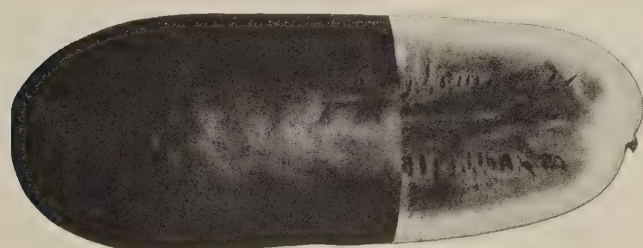
85 days

A large, round, oval melon, growing to a large size. The skin is dark green and the seeds white tipped with black. The flesh is bright red of excellent quality. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

## Tom Watson★

90 days

A large oblong melon, the skin of which is dark green, with fine veining of darker green. It weighs 35 to 40 pounds. The rind is thin but tough and flesh a bright, attractive red color, crisp, sweet and delicious. Desirable for both home and market use. A good shipping melon. **Pkt., 5c; oz., 15c; ¼ lb. 35c; 1 lb., \$1.00.**



Tom Watson Watermelon

## Improved Kleckley's Sweets★

85 days

Oblong, medium early and of large size. Skin is dark bluish-green and flesh a bright scarlet. One of the best varieties for home garden and local market. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## Gypsy or Georgia Rattlesnake

90 days

Is finding favor with Northern growers, as it is a splendid keeper and shipper. Is oblong in shape, yellowish-green with stripes of very dark green. Flesh is bright scarlet, crisp and very sweet. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## Stone Mountain★

90 days

The size is often very large 35 to 40 lbs., and the flavor and texture of the best. Color is a dark green with finer green veining. The shape is nearly round with blocky ends, and the rind is quite thick. The flesh is bright crimson, exceptionally sweet and crisp, the seeds white, tipped and spotted with black. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

## Winter Melon★ (Often called Honey Dew) 100 days

Is without a doubt the sweetest, firmest, most crisp of any watermelon grown. The rind is but ¼ to ½ inch thick. Shape round, not very large, skin almost cream color. Melons harvested in late fall and put in cool cellar may keep up to Christmas time. **Pkt., 5c; oz., 15c; ¼ lb., 45c; 1 lb., \$1.25.**

## Citron for Preserves (Green Seed)

95 days

Fruit is round and smooth and very prolific. It is not edible raw, but makes very fine transparent preserves. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

# OKRA

Okra is raised for the pods which are used in flavoring soups, stews, etc. The pods are at their best when 1 to 3 inches long.

**CULTURE.** Sow the seed thickly in rich ground as soon as the ground becomes warm, in drills 3 feet apart and 1 inch deep. Thin out to 10 inches apart and cultivate freely.

## Mammoth Long Podded

56 days

Very productive and bear dark green pods from 7 to 8 inches long. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

## Dwarf Green

50 days

Grows low but stocky and is very prolific. The deep green pods are of fine quality, 5 to 7 inches long. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

## White Velvet

60 days

Has long, smooth, white pods which are very tender and of exceptional flavor until almost full grown. Pods 6 to 7 inches long. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

**Prices** Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

# Onion Plants

All plants are grown in open field, thereby assuring strong, hardy plants. They are tied in bunches of about 100 plants and packed 60 bunches to the crate. Planting about 3 inches apart in 16-inch rows will require 100,000 plants to the acre. Please write for prices about April 1. We expect to have White Wax, Yellow Bermuda, Sweet Spanish and Prizetaker plants ready about April 10th.

# Onion Sets

On account of the uncertainty of the onion set market we are unable to quote prices at the time this book is being printed in January. See yellow list for prices. Prices will be available in March and April.

# ONIONS

## ONIONS FOR HEALTH

Onions give you energy and are rich in vitamins A and B, which aids digestion and assists your organs, glands and nerves to health. Onions increase bile secretions, aids children to grow and protects them from stomach ills.

## Gould's Minnesota Globe Onions

Everywhere Globe Onions bring the best prices and since our Minnesota Red, Yellow and White selected strains are the most highly developed of all Globes, we confidently recommend them to growers who want onions that will top the market.

**CULTURE.** Sow just as early as possible, that is, when the ground can be worked up nicely. Have your seedbed in perfect shape, for onions are slow in coming up and require close cultivation. It is sometimes advisable to mix a few radish seeds with your onion seed so as to allow for earlier cultivation. One ounce of seed will sow 200 feet in drill ½ inch to 1 inch deep, 4 to 5 pounds of seed to an acre drilled 13 to 14 inches apart for hand cultivation or 20 to 22 inches apart for cultivating with tractor. Cultivate often. Do not allow soil to bake.

All onions and other vegetable varieties best suited for market are indicated by a star (★) after the name of the variety.

## RED VARIETIES

## Gould's Minnesota Red Globe★

110 days

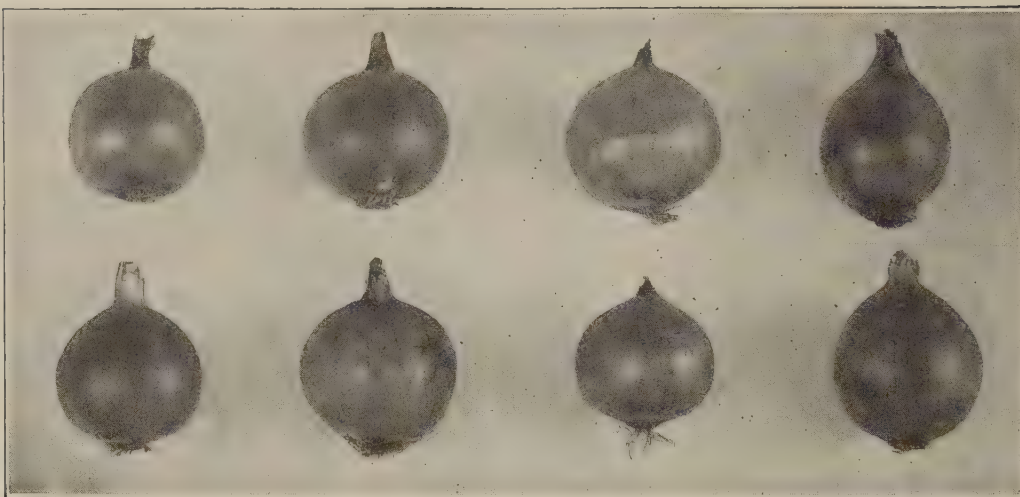
This fine strain of Red Globe onions is the result of many years' selection. For trueness of type, perfection of color and long keeping qualities, it is unsurpassed. The color of Minnesota Red Globe is a deep blood-red, extra dark, while the surface is smooth and glossy. The flesh is white, tinged with light purple, fine grained and full flavor. **Pkt., 10c and 25c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$6.00.**

## Southport Red Globe

110 days

A standard Red Globe onion of very good quality, and attractive in color. This onion is very uniform both in size and shape. Grows to a diameter of from two and a half to three and a half inches. A good keeper and exceptionally heavy yielder. **Pkt., 10c and 25c; oz., 75c; ¼ lb., \$2.00; 1 lb., \$6.00.**





Minn. Yellow Globe Yellow Globe Danvers Early Yellow Globe Southport Yellow Globe

## ONIONS—Continued

### WHITE VARIETIES

#### Gould's Minnesota White Globe★ 110 days

Without a doubt the best White Globe onion grown. It is pure white, mild, and a good keeper. Being much milder than the red or yellow varieties, it is much preferred for family use. Our Minnesota White Globe Onion is one of the very finest varieties in existence. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.

#### Southport White Globe 110 days

Is a standard of the White Globe varieties. Flesh is crisp, mild, fine grained and pure white, delicious flavor. Bulbs should be stored in a cool dark place as soon as matured. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.

#### Gould's Pickling★

105 days

For early bunching or pickling and also for sets. It is pure white, round, and very firm and mild in flavor. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.

#### He-Shi-Ko White Bunching Onions★

Beyond doubt, this is the best of bunching Onions; it is perfectly hardy in Minnesota. A vigorous grower, making no bulb, but producing fine white necks or stalks which may be trenced without fear of discoloration or rot. Pkt. 10c and 25c; oz. 90c.

#### White Bunching★

An extra early round, white variety. It is exceptionally fine for early bunching, table, and for boiling. Matures large, snowy white onions. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.



He-Shi-Ko White Bunching Onions

#### White Portugal or Silver Skin★ 100 days

Of medium size, flat shaped, ripening early and uniformly. Has a fine mild flavor. A splendid onion for pickling and early bunching, also for white bottom sets. A good keeper. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.65; 1 lb. \$8.00.

**Prices** Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

## YELLOW VARIETIES

### Gould's Early Yellow Globe★ 98 days

A very rapid grower. Will mature 10 to 15 days earlier than the Minnesota or Southport Yellow Globe. Gould's Early Yellow Globe always gets top prices on the market. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.25; 1 lb. \$6.50.

### Gould's Prizetaker★

105 days

Is without a doubt the largest onion that can be successfully grown in a northern climate. It is globe-shaped and has a straw-colored skin of a beautiful appearance, and is a great favorite for hotel and restaurant trade. Is very solid, of mild flavor and a good keeper. Pkt. 10c and 25c; oz. \$1.35; ¼ lb. \$2.75; 1 lb. \$8.50.

### Yellow Sweet Spanish, Utah Strain 110 days

It is the most popular onion in Southern California and grows to large size. It does not produce the "stiff-necks" usual in the Spanish type. Pkt. 10c and 25c; oz. \$1.35; ¼ lb. \$2.75; 1 lb. \$8.50.

### Southport Yellow Globe★ (Brigham Strain) Also called

Michigan 110 days

A selection from Southport Yellow Globe for thick skin and keeping qualities. This variety has done especially well on peat and high lands. The bulbs are deep globe shape, color is dark yellow. The skin is thick and there appears to be an extra layer. A very excellent storage variety. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.25; 1 lb. \$6.50.

### Southport Yellow Globe★ 115 days

A very popular strain of Yellow Globe onion. Matures early and is a good keeper. Skin is of rich brownish yellow, the flesh white, crisp and fine grained. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.25; 1 lb. \$6.50.

### Yellow Globe Danvers★ 110 days

The bulbs are large and globular with very thin necks. The flesh is white and mild and the skin is orange-yellow. Is an enormous yielder, a fine keeper, and excellent for shipping, as well as for home gardens. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.25; 1 lb. \$6.50.

### Gould's Minnesota Yellow Globe★ 112 days

This variety of Yellow Globe onion, like our Minnesota Red Globe, is a most select strain of Yellow Globe onion. It is perfect in shape and in color, also having all the best keeping qualities obtainable. A remarkable strain of yellow onions. Pkt. 10c and 25c; oz. 90c; ¼ lb. \$2.25; 1 lb. \$6.50.

## PARSLEY

**CULTURE.** Sow in early spring in drills 14 inches apart, ½ to 1 inch deep. Parsley seed is slow to germinate and requires from 20 to 30 days to show above the ground, therefore it is advisable to sow a few radish or lettuce seeds with the parsley seed as a guide for early cultivation.

### Dark Moss Curled★ 70 days

The leaves are of an extra dark green color. It is a heavy producer, and on account of the densely curled character of its leaves a quantity can be gathered in a short time. Very fine for garnishing and flavoring. A home and market garden variety. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.

### Double Curled 70 days

Fine dwarf crimped leaves. Very similar to the Dark Moss Curled excepting that leaves are finer curled. A home garden favorite and very fine sort. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.

### Evergreen (1940 All-American) 80 days

Is a big, strong-growing parsley with large, dense, dark green foliage. The leaves are very large and dense; the leaflets coarsely cut, but closely curled. Adapted to market gardeners' use or home garden. Pkt. 5c; oz. 20c; ¼ lb. 50c; 1 lb. \$1.50.

### Hamburg or Turnip Rooted Parsley 90 days

The edible roots of this variety resemble a small, thick parsnip in shape and color. They may be stored for the winter and used for flavoring soups, stews, etc. The flesh is white, a little dry, with the flavor of celeriac. Plain leaves can be used like ordinary parsley. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.

### Plain Leaved 72 days

Widely known as Italian Parsley, are not curled but have an excellent flavor. Not so attractive as curled leaf varieties for garnishing. Pkt. 5c; oz. 15c; ¼ lb. 45c; 1 lb. \$1.25.





Hollow Crown Parsnips

## PARSNIPS

**CULTURE.** Work the soil very deep and pulverize the seedbed thoroughly. Sow the seed in early spring.  $\frac{1}{2}$  to 1 inch deep, in rows 18 inches apart. As soon as the young plants appear, cultivate and hand weed them, and when 3 inches high thin to 4 inches apart in the row. One ounce of seed for 200 feet of row; 3 lbs. seed required for an acre.

### Hollow Crown★

95 days

Better known and more generally grown than any other sort. The roots are smooth, large, tender and sweet and of the best quality. This variety is easily distinguished by the leaves arising from a cavity on the top or crown of the root. **Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; 1 lb. \$1.75.**

### All American or Improved Hollow Crown

93 days

Not as long as the regular Hollow Crown but is more smooth and uniform in size. Free from fibre with only a small core. **Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; 1 lb. \$1.75.**

### Guernsey

95 days

A very good parsnip for the home garden. Being shorter than other varieties it is easier to dig up. Roots are very smooth, the flesh fine grained and excellent quality. **Pkt. 5c; oz. 20c;  $\frac{1}{4}$  lb. 55c; 1 lb. \$1.75.**

## PEANUTS

Peanuts do best on a light, sandy soil. The ground should be ploughed deeply and thoroughly harrowed. Seed peanuts should be carefully hulled to prevent breaking the skin on the kernels. Plant in rows  $2\frac{1}{2}$  to 3 feet apart and 12 inches in the row. Cover about 2 inches. When matured, pull up and dry in the sun a few days. Vines are a valuable feed for horses, cattle and sheep. 1 lb. 50c, postage extra.

## PEAS

### CULTURE FOR GARDEN PEAS.

Sow seed 2 inches deep in rich soil very early in the spring and for a succession put in varieties that mature at different periods or if dwarfs only are desired, sow a few rows every 10 days throughout the season. For hand cultivation sow in rows 15 inches apart, but if grown on a large scale it is best to sow in rows from 2 to 3 feet apart and cultivate them with a horse or tractor. One pound of seed will plant 100 ft. of row; 75 to 100 lbs. of seed required to an acre.

## EXTRA EARLY DWARF WRINKLED VARIETIES

### American Wonder

61 days

This variety heads the list of peas in flavor and quality. The vines bear a great abundance of good-sized pods containing 5 to 8 large, exceedingly sweet, tender and well-flavored peas. Require no brush or other support. Grow to a height of about 12 inches. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### Little Gem

65 days

Height 24 to 30 inches. It is a few days later than the American Wonder, but slightly larger and will bear for a longer period than other varieties. The peas are green, wrinkled, of sweet, delicious flavor and excellent quality. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### Little Marvel

62 days

An extra fine dwarf pea of the early wrinkled variety, with vines growing 15 to 20 inches high. Pods are about 3 inches long of a dark green color. Peas are very sweet and tender. Especially suited for home gardens and early market gardening. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### Nott's Excelsior

62 days

A standard extra early dwarf wrinkled pea. The foliage is stout and heavy, about 12 inches high with an abundance of pods containing 6 or 7 light green wrinkled peas each. The peas are unsurpassed in sweetness and quality and are very desirable for the home gardener. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

## LARGE EARLY WRINKLED VARIETIES

### Laxton's Progress★

60 days

One of the best large podded early dwarf varieties. For home gardens and shipping. Vines will average about 18 inches, pods 4 inches. Pods with 8 to 10 delicious peas are dark green. A very heavy bearer. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

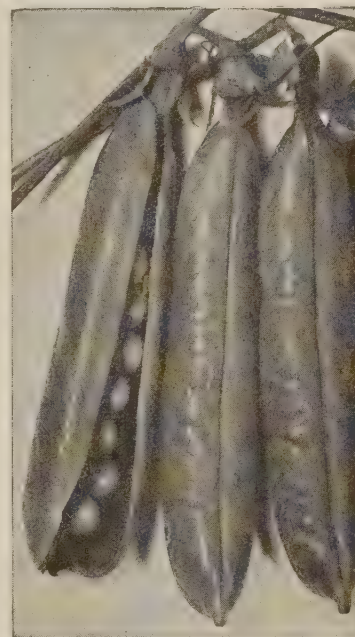
### Laxtonian★

60 days

It is not only early but is of splendid quality and unusually productive. Vines 15 to 18 inches tall. Pods with 6 to 8 large, sweet, deep green peas, are plump, tapered at tip and borne singly. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### Thomas Laxton★

58 DAYS. Large podded, extra early pea. The pods contain on the average seven or eight large, sweet, wrinkled peas of the very richest flavor. The vines attain a height of from  $2\frac{1}{2}$  to 3 feet. In flavor this pea is unsurpassed. A very popular variety for the home and market gardener. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**



Thomas Laxton

### Gradus or Prosperi-

ty★

60 days

Vines are very vigorous and robust, growing to a height of about  $2\frac{1}{2}$  feet. It is not only an abundant producer, but bears continually throughout the season. The pods are very large and are invariably well filled with from six to nine sweet, tender, wrinkled peas of large size and delicious flavor. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### World's Record★

58 days

An improved type of Gradus. 24 to 30 inches high, pods 4 inches long, medium green with 7 to 9 peas in pod. Very prolific. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### Hundredfold★

60 days

This pea resembles the Laxtonian but is a little larger and more prolific. Vines grow to a height of 16 to 18 inches, pods dark green, and containing 8 large dark green peas of excellent quality. A very fine home garden pea and for market garden and shipping. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

## MAIN CROP VARIETIES

### Telephone★

74 days

Another leading pea for home and market gardeners. It comes into bearing fairly early, yields abundant crops of large, fine appearing pods and peas that are sweet and luscious. The vines grow about  $4\frac{1}{2}$  to 5 feet in height. The immense pods are straight, and of fine appearance, and contain eight to nine large, wrinkled peas, closely packed, tender, sweet and of fine flavor. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**

### Giant Stride★

75 days

A very popular, large podded, shipping and market garden variety, also a good home garden pea. The pods holding 8 to 10 peas are  $5\frac{1}{2}$  to  $6\frac{1}{2}$  inches in length, dark green in color, pointed or curved end, and very attractive. The quality is excellent. The vine height is about 26 inches. **Pkt. 15c;  $\frac{1}{2}$  lb. 25c; 1 lb. 45c; 2 lbs. 75c; 5 lbs. \$1.75; 10 lbs. \$3.00.**



## MAIN CROP PEAS—Continued

### Alderman★

74 days

This is a very large podded pea of the "Telephone" group, very robust and vigorous. The pods are well filled with large peas of most excellent flavor. The vines are from 4½ to 5½ feet in height. For home and market gardeners and shipping. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.00.**

### Teddy Roosevelt★

74 days

One of the best of the large dark podded Telephone types and one of the most productive and surest yielders. The vines grow to a height of 4 feet, producing in large numbers, large, well-filled pods of a dark green color, each pod containing from 8 to 9 large wrinkled peas of splendid quality. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.00.**

### Everbearing

76 days

Reaches a height of 2½ to 3 feet. As name indicates this variety continues long in bearing and is very prolific. The peas are very large green wrinkled and of excellent quality. Are tender and of superior flavor. One of the best for late summer and autumn use. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.00.**

### Mammoth Melting Sugar

74 days

This variety is cooked up the same as a snap-bean, both pod and pea being eaten. The pods are large, extremely tender and fine flavored when young. **Pkt., 15c; ½ lb., 30c; 1 lb., 50c; 2 lbs., 90c.**

### Carter's Daisy or Early Dwarf Telephone★

70 days

This pea is always in great demand owing to its large pods and excellent quality. It is very desirable for early market, always obtaining top prices. Vines are very vigorous, reaching about 18 inches, with well-filled pods. Vines require no support. **Pkt., 15c; ½ lb., 25c; 1 lb., 45c; 2 lbs., 75c; 5 lbs., \$1.75; 10 lbs., \$3.00.**

## PEPPERS

*Peppers are one of best sources of Vitamins A and C and also contribute Vitamin B.*

**CULTURE.** Seed should be planted in hotbed or greenhouse about March 10th to 20th. When plants are 3 inches high they should be transplanted to 2 or 3 inches apart until weather and soil conditions permit for outdoor planting. Then plant in rows 2½ feet apart and 18 inches apart in row. Cultivate same as tomatoes.

The vegetables best suited for market are indicated by a star (★) after the name of the variety.

### Sunnybrook (Pimento Type)★

73 days

This is a bright red tomato-shaped pepper with thick, firm flesh. It is very sweet and exceptionally mild. It comes into bearing early and is very productive. **Pkt., 5c; oz., 40c; ¼ lb., \$1.25.**



California Wonder Pepper

Exceptionally mild, and can be eaten raw without fear of burning. Color of fruit is green at first, turning to a beautiful shade of scarlet. Flesh thick, which enables it to hold up a long time and makes it an excellent shipper. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### California Wonder★

75 DAYS. A sweet pepper with very thick flesh. Fruit very large, smooth and heavy. A good yielder. It is blocky in shape, square in cross section, 4 inches wide and 4½ inches long. Some will weigh as much as a pound each. Is deep green when small, changing to crimson when ripe. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### Large Bell or Bull Nose★

62 DAYS. This is one of the early, bell-shaped peppers. It is more pungent than the larger and later varieties. Large Bell is very desirable for pickling. **Pkt., 5c; oz., 40c; ¼ lb., \$1.25.**

### World Beater★

75 DAYS. One of the finest large peppers yet introduced. It is a cross between the Chinese Giant and Ruby King.

## PRICES

Due to war conditions, all prices quoted in this catalog are subject to change without notice.

### Early Pimento

65 days

Fourth in the 1943 All-America vegetable selections. One of the earliest of all. Plants spreading, medium size and heavy bearers. Smooth, dark green turns bright red. Mild at all stages and especially sweet when red. **Pkt., 25c.**

### Oakview Wonder★

68 days

Developed from California Wonder and is at least a week earlier. It has slightly smaller but blockier and more symmetrical fruits and lacks the deep depression and curling at the nose which characterize most peppers. Its exceptional uniformity, earliness, and high yield have already made it a favorite among market growers. **Pkt., 10c; oz., 70c; ¼ lb., \$2.00.**

### Harris Earliest★

58 days

Is an extra early pepper and the earliest of the large varieties. Plants are very uniform in growth, dwarf and compact, seldom over 18 inches in height, and extremely productive. Fruits mild and sweet, deep green, scarlet when ripe. A very fine pepper for the home garden. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### Windsor A

58 days

All-America Award of Merit. A good stock of very early Ruby King type, with good yield of medium sized fruits. Recommended for Northern short season sections as a drought resisting, thick fleshed, early sweet pepper. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### Harris Early Giant★

63 days

An early variety for home and market gardens. Plant very prolific bearing 12 to 14 large peppers about 5 inches long and 3½ inches in diameter. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### Hungarian Yellow (Hot)

65 days

A very hot pepper growing 5 to 7 inches in length tapering to a blunt point. The color is of canary yellow with waxy appearance. A heavy yielder. A favorite with many because of its pungency. **Pkt., 5c; oz., 60c; ¼ lb., \$1.75.**

### Hungarian Yellow (Sweet)

65 days

Same type as the Hot Hungarian excepting that it is sweet. **Pkt., 10c; oz., 60c; ¼ lb., \$1.75.**

### Crimson Giant★

70 days

One of the best of the very large fruited sweet varieties. The color is a deep green turning to a rich crimson when mature. A home garden and market variety. **Pkt., 5c; oz., 60c; ¼ lb., \$1.75.**

### Small Red Cayenne★

70 days

Is only ½ inch in diameter and 4 to 4½ inches long. Is very hot, and used mostly in sauces. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### Long Red Cayenne★

70 days

Is about ¾ to 1 inch in diameter and 5 to 7 inches long. Although this also is pungent, it is not as sharp as the Small Cayenne. For pickling, either green or ripe. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

### Neapolitan

62 days

A very early and productive large variety. The fruit is oblong and has a light green color gradually changing to golden and finally to a bright red. Very mild and sweet. **Pkt., 5c; oz., 50c; ¼ lb., \$1.50.**

## SEED POTATOES

Due to the scarcity of good seed stock and uncertainty of prices at the time this book is being printed in January, no prices are quoted. Prices will be given on yellow list in April. Will have several varieties of the famous Main grown seed stock, which we received so many favorable comments of last year.

## SOILTEX A test for acid soil

**SOILTEX Tells What Your Soil Needs**—With Soiltex you can determine exactly in a few minutes whether your soil is acid, and how much lime it needs. Each outfit will make 75 to 100 tests. Full directions, color chart and lime table included. Postpaid \$1.00.



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# MUTUAL BENEFIT

*Farm Journal and Farmer's Wife* does not generally offer one year subscriptions; but since we believe that reading this splendidly illustrated farm, household, garden and news magazine is the greatest benefit to our friends and patrons, and so indirectly to us, the Publishers have co-operated by making this

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For folks who live in the Country and love the Country. Printed on fast-running presses, this Month - Ahead - Magazine gets the important news to you first when it is valuable and useful.

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*Farmer's Wife* section carries new practical ideas on home

decorations, fashions, fancy-work, health and beauty. Foods, recipes tested in our own Farm Kitchen. Features on country life. Farm Women's letters, etc. Fiction by nationally known authors.

Youth section: Latest 4-H Club and FFA news, answers to youths' problems, grooming, etiquette, parties, games, movies, sports, aviation, hobbies, success stories, money-making ideas, jokes, cartoons, etc.

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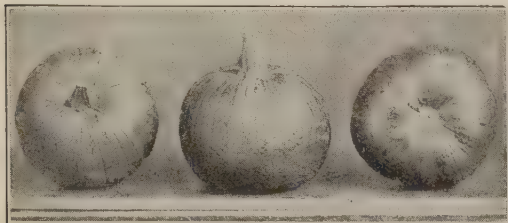
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## PUMPKINS

**CULTURE.** Pumpkins may be planted with corn by planting the pumpkin seed in every 4th or 5th row of corn one way by every 3rd or 4th row across, dropping 4 seeds in a hill. When raised alone, the hills should be 10 feet apart each way, dropping 6 or 7 seeds in a hill and cultivating both ways. Cultivate with a section of the harrow. One ounce of seed will make 15 hills, and about 2 pounds are needed for an acre.



Early Sweet Sugar or Pie Pumpkin



### Early Sugar or Pie★

This pumpkin is small, round, slightly ribbed, skin and flesh deep orange. Flesh is very thick, fine grained, sweet and of finest quality. A big yielder and a good keeper. One of the best for pies. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**

### Winter Luxury Pie

Round, medium in size with a golden yellow skin, closely netted. Exceptionally fine for pies and a good keeper. Flesh is thick, sweet, tender and of fine flavor. A home garden favorite. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. \$1.00.**

### Connecticut Field★

The standard field pumpkin. It is largely grown for stock feeding, but is also generally used for pumpkin pie and canning. The outside is reddish orange in color, the inside orange yellow. Is very solid, fine grained and slightly ribbed. Strong and vigorous grower. **Pkt. 5c; oz. 15c; ¼ lb. 35c; 1 lb. 75c.**

### Gould's Mammoth Field

One of the largest and best, especially for stock feeding. It is also a good keeper. Often weighs 75 to 100 lbs. **Pkt. 5c; oz. 15c; ¼ lb. 50c; 1 lb. \$1.50.**

## RADISH

**CULTURE.** Radish should be grown on good rich sandy loam. Avoid seeding in soil where you have had any root crop that became infested with root maggot, if possible. As a preventive of maggots it is well to treat your soil with a good dressing of tobacco dust, crude naphthalene flakes, or Carbola. Apply at intervals of about 10 days.

Plant your radish seed one-half inch deep in rows 12 to 14 inches apart as soon as the soil is in condition to work nicely in the spring. When the plants are about 1 inch high, thin enough to avoid crowding. Cultivate often and shallow to retain moisture and destroy weeds.

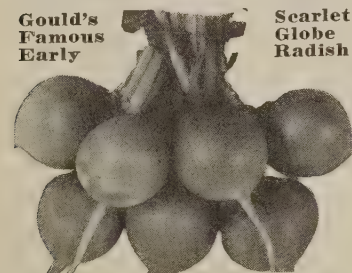
### EARLY ROUND RADISHES

#### Gould's Reliable Forcing★

Is the earliest of the greenhouse forcing type. Skin a beautiful bright scarlet, flesh crystal white, somewhat turnip-shaped, producing a very small top, very desirable for forcing. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

#### Gould's Early Scarlet Globe★

A selected forcing strain especially adapted to greenhouse and hotbed growing, but may be grown outdoors equally well. The shape is a little longer than round and the skin a bright scarlet, flesh white and crisp. A standard for the market gardener. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00; 10 lbs., \$9.50.**



#### Gould's Scarlet Turnip White Tip★

A special strain of white tip radish. It is very early and does equally well for greenhouse forcing and for outdoor culture. The flavor cannot be excelled, it being sweet, mild and crisp. The color is a bright scarlet with white tips, making a particularly fine appearance on the table. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10; 5 lbs., \$5.00; 10 lbs., \$9.50.**

### Sparkler

Similar to scarlet turnip white tip, except it has larger white area around tip. The roots are solid, crisp and sweet. The tops are small, but large enough for bunching. Equally well adapted for forcing. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

### Crimson Giant

A large growing sort, of a beautiful deep crimson color. The flesh is white, mild in flavor, firm and crisp. Good for open ground culture or forcing. Roots spherical to slightly top shaped. **Pkt. 5c; oz. 15c; ¼ lb. 40c; 1 lb. \$1.10; 2 lbs. \$2.10.**

### LONG VARIETIES

#### French Breakfast

A favorite for home and market gardens or forcing. Bright scarlet, with pure white tip. Oblong in shape, of medium size, and a rapid grower. It is a fine table variety due to its excellent quality and appearance. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

#### White Icicle

Roots 5 to 6 inches thick, pure white with small tops. Ready for pulling about three weeks after sowing. It is crisp, mild, sweet and tender both when young and until it attains a large size. One of the finest sorts for the home garden as well as for market. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

#### Long Scarlet Short Top

A standard and popular well known long red radish of good quality. Matures to a size of about 4 to 5 inches but it can be used before fully grown. Grows partly above ground. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

#### White Strasburg

A large, medium long sort with heavy tapering shoulders. Flesh and skin pure white. Firm and crisp. A fine summer variety that resists drought. Similar to Icicle but thicker and shorter. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

### WINTER RADISHES

Try some this year. These grow to large size and keep well for winter and spring use. Sow seed from middle of June to July 1st, for fall and winter use.

#### China Rose

Of a bright rose color, flesh solid and crisp. The shape is long but stump rooted, tapering abruptly to a small tip. 6 to 7 inches long. Pack in sand to enjoy fresh, crisp radishes all winter. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

#### California Mammoth White

Largest of all winter radishes. The skin and flesh are white, very tender and crisp. Mildly pungent but well flavored. Roots are about 8 inches long, and 2 to 3 inches in diameter. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

#### Long Black Spanish

One of the largest and best keepers. The shape is oblong, tapering to a point, the skin almost black, flesh white, firm, crisp and pungent. Roots 8 to 9 inches long, 2½ inches in diameter at shoulder. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

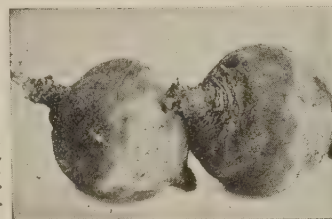
#### Round Black Spanish★

A large round turnip-shaped root, growing to as much as 3 to 4 inches in diameter. The skin is black, but the flesh is white, firm, crisp and pungent, an excellent keeper. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.10; 2 lbs., \$2.10.**

## RUTABAGA

#### American Purple Top★

88 DAYS. A hardy productive variety with a small neck; roots are large globe-shaped with a very small tap root. The color is a bright yellow with a purple top, flesh solid, tender and sweet. A good yielder and keeper. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**



#### Neckless Purple Top★

Grows to medium size. Flesh of a bright golden color. Tops small, purple and neckless, flesh deep yellow and fine grained. A very fine variety for table use. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**



## SALSIFY (VEGETABLE OYSTER)

Salsify is used the same as carrots, or, after having been boiled, make into cakes and fry like oysters which they resemble in flavor. Culture of salsify is the same as parsnips. One ounce of seed will sow 60 feet of row. Five pounds of seed required for an acre.

### Sandwich Island

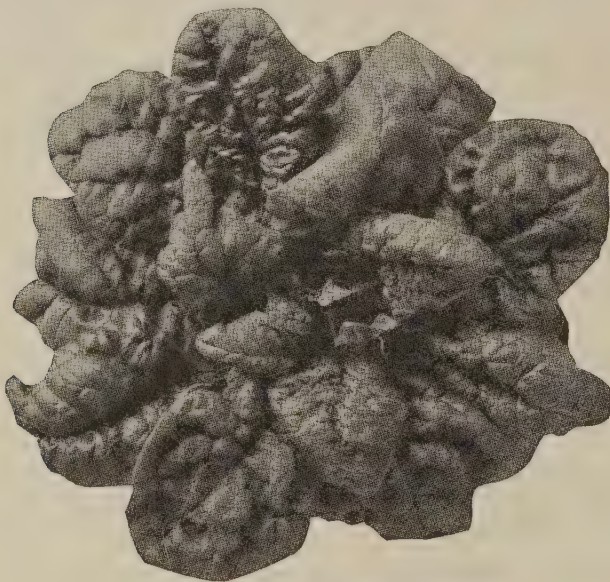
150 to 180 days

Grows to a large size, is of fine quality and flavor. The roots, when cooked, are very palatable and nutritious with a flavor similar to oysters. A very desirable winter vegetable. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.50.**

## SPINACH

*Spinach is very rich in Vitamins A and C, and also contributes Vitamins B and G, nicotinic acid, and iron.*

**CULTURE.** Sow just as soon as the ground will permit working in spring. Sow in rows 12 inches apart and 1 inch deep. If given some protection over winter, spinach may be sown in the fall for spring use. Spinach being of a leafy growth only, should be kept growing fast in order to be tender and palatable. The soil should be well fertilized with a complete fertilizer. After the spinach is up it should receive a side-dressing of nitrate of soda or sulphate of ammonia about once a week until fit for market.



Long Standing Bloomsdale Spinach

### Long Standing Bloomsdale★

46 days

Long Standing Bloomsdale has been developed along new and scientific lines of breeding. This strain of Bloomsdale is one of the outstanding varieties for crinkly leaf, standing a week longer in hot weather. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.**

### King of Denmark★

46 days

Stands longer than most sorts. Leaves large, round, somewhat blistered, deep green. Vigorous grower. Fine for home gardens and canners. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

### New Zealand

70 days

Entirely different from the true spinach in type in that it thrives during hot weather in any soil. The tender shoots are of good quality and may be cut throughout the summer. Plant in rows about 3 feet apart. **Pkt., 10c; oz., 35c; ¼ lb., \$1.25; 1 lb., \$4.00.**

### Old Dominion★ (Blight Resistant)

40 days

A blight resistant strain well adapted for any purpose for which Bloomsdale is seeded. Leaves are crumpled, dark green, but more pointed than the Bloomsdale. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.00; 10 lbs., \$7.50.**

### Princess Juliana★

48 days

Of delicious flavor and quality. Leaves are large, crumpled and a rich dark green. Remains in good condition a long time. Slow to go to seed. A fine market variety. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.**

## Round Thick Leaf

45 days

A popular variety for spring and fall planting. Plants have large, long leaves, spreading out on the ground. Leaves thick, arrow-shaped with round tip. A favorite with canners and home gardeners. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.**

## Virginia Long Standing★

40 days

Blight resistant, with dark green crumpled leaves, tapering to rounded point. A fast maturing spring strain, resistant to cold, much used for fall planting. **Pkt., 5c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00; 5 lbs., \$4.50; 10 lbs., \$8.50.**

## SORREL

The leaves are esteemed as a salad or may be boiled and served like spinach. Sow in rows 18 inches apart. It is hardy and roots should be divided every 3 or 4 years. Matures in 55 to 70 days. **Pkt., 10c; oz., 60c.**

## TURNIPS

**CULTURE.** Turnips are the easiest to grow of any root crop. Sow in early spring for summer crop, and late in July or early August for late fall crop. One ounce will sow 200 feet in drill; thin to 4 inches apart.

### Extra Early Purple Top Milan★

42 days

Extremely early and of splendid quality. Bulbs of medium size, flat and white, with a bright purple top. Flesh white, fine grained and sweet. A home and market variety. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 95c.**

### Extra Early White Milan★

42 days

Similar to the Purple Top Milan, except that the roots are a solid clear white. Flesh tender and sweet. Desirable for spring or fall sowing. **Pkt., 5c; oz., 10c; ¼ lb., 35c; 1 lb., 95c.**

### Purple Top Strap-Leaved★

46 days

Rather flat and of medium size. Color: purple above ground and white below, flesh white, fine grained, sweet and never stringy. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

### Purple Top White Globe★

58 days

A general favorite with all, and more largely grown than any other turnip; will do well to sow either broadcast or in drills and will form good sized bulbs in seven or eight weeks. Of a perfect globe shape with smooth white skin; flesh pure white, firm, sweet and crisp. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

### Snowball or Early Six Weeks★

43 days

Very early, round with pure white flesh. One of the best table varieties. Very mild and an excellent winter keeper. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

**Prices** Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

## VEGETABLE PLANTS

During the months of May and June we offer seedling or pot-grown vegetable plants in the most popular varieties. The plant season usually begins the forepart of May and extends well into June. We carry exceptionally fine plants and people who want better than the ordinary come to us from all over the Northwest for their plants. Due to the uncertainty of labor, etc., at the time this catalog is being printed, prices of vegetable plants are not included in this book. Good plants at reasonable prices will be offered in season.

**Cabbage.** Early, Golden Acre, and Copenhagen.

**Cabbage Plants.** Late, Holland.

**Cauliflower Plants.**

**Celeriac (Root Celery).**

**Celery Plants.**

**Chives.** Plant.

**Eggplant.**

**Ground Cherry (Husk Tomato).**

**Parsley Plants.**

**Peppers,** Sweet or Hot.

**Tomatoes,** include Gould's Standard, John Baer, Earliana, Beauty, Bonny Best, Dwarf Champion, Stone, Ground Cherry, Yellow Plum, Red Cherry, Ponderosa, Golden Ponderosa, Pritchard, etc.



# SQUASH

**CULTURE.** Plant when all danger of frost is past. For vining varieties plant in hills 8 to 10 feet apart each way. The early summer or bush varieties may be planted 5 feet apart. Place 8 to 10 seeds in a hill one inch deep. When plants are three inches high thin to 3 or 4 in a hill.

## SUMMER VARIETIES

### White Bush Scallop

53 days

Matures early and will bear quickly. The squash are large size, somewhat flattened, pure white, with thick flesh of good quality. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**



Buttercup

Sweet Potato Squash

Table Queen

### Zucchini

55 to 60 days

Produces extremely dark green fruits of fine quality. The plants are truly bush, flesh greenish white, well flavored fruits about 12 inches long and 2½ inches in diameter. They are of best quality when 4 to 6 inches long. **Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75.**

### Cocozelle or Vegetable Marrow\*

60 days

The fruit is long and slender, of a dark green color at first, but when maturing it changes to a lighter green with yellowish stripes. In best condition to use when 8 to 12 inches long. May be sliced and fried or baked. **Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75.**

### Giant Summer Straightneck\*

56 days

A selection of summer squash with a straight neck instead of the usual crookneck. It grows about 18 to 20 inches in length, is very thick meated and has a beautiful orange color. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

### Golden Summer Crookneck

55 days

Early and prolific. The fruits are of true crookneck type, heavily warted and of light golden color, 18 to 24 inches long, 4½ inches through. For home or market garden and shipping. **Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25.**

## WINTER VARIETIES

### Mammoth Chili

110 days

An extra large variety used mostly for stock feeding, often weighing 60 pounds each. Produces a very cheap and nutritious feed. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Banana Squash

110 days

One of the best varieties for either summer or winter use. Shell is grayish-green and the flesh is a deep golden color. Cooks smooth and of a delicious flavor. Fruits measure 20 to 24 inches long, 6 inches thick. Excellent for pies. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Sweet Potato Squash

100 days

Fruits grow 6 to 8 inches long. Have very thick flesh, unusually sweet and tender. They are a real table delicacy when baked and served with butter. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Buttercup

100 days

An introduction by Prof. Yeager of North Dakota. It is medium to small in size, the yellow flesh is very thick and the flavor delicious. The shape is somewhat of a turban with a tendency to being flat. Outside color is dark green with silvery white lines. **Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.25.**

### Table Queen\*

80 days

Fruit acorn shaped, color dark green, size 6 inches long and 4 inches in diameter, of good quality. Flesh is rich orange-yellow cooking as dry and sweet as a sweet potato. A fine variety for home or market garden. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Mammoth Table Queen\*

80 days

Similar to the well known Table Queen excepting size which is about double that of the regular Table Queen. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Gould's Blue Hubbard\*

110 days

A strain of the regular Hubbard. Fruit is large, blue-gray shell, long keeping and finest quality. A very popular variety. Flesh is bright yellow, thick, fine grained, very dry and sweet. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Gould's Improved Hubbard\*

110 days

This squash is the favorite for long keeping. The vines are strong and very productive. The skin is rather smooth, of a dark green color. When well matured and dried, it becomes very hard and will keep well into the winter. Flesh is bright orange yellow, fine grained, dry, sweet flavored. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### Chicago Warted Hubbard\*

110 days

Very similar to Gould's Hubbard, but skin is darker and covered with heavy warts. Also a good keeper. **Pkt., 10c; oz., 25c; ¼ lb., 75c; 1 lb., \$2.00.**

### "Top of the Market"

The color is creamy, light green. It is sweet and dry and of unequalled flavor. Of acorn shape, similar to Table Queen. This summer squash is due to become a big favorite with market and home gardeners alike. **Pkt., 10c; oz., 25c; ¼ lb., 60c; 1 lb., \$1.75.**

## SWISS CHARD

*Chard is rich in Vitamin A and iron, also good for Vitamins A and C and calcium.*

### Swiss Chard or Spinach Beet

50 to 56 days

This variety does not produce an edible root like the regular garden beet, but is highly esteemed for the broad, white leaf stalks and midribs which are cooked and served in the same manner as asparagus, making a most delicious vegetable. Cook leaves like spinach, midribs like asparagus. **Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50.**

### Giant Lucullus Swiss Chard

50 to 55 days

The largest and the favorite of the chard family. The leaves are very large and curly and make a very attractive dish when cooked up as greens. **Pkt., 10c; oz., 25c; ¼ lb., 85c; 1 lb., \$2.50.**

### Burpee's Rhubarb Chard

60 days

A new Swiss chard that looks like rhubarb—large center rib of beautiful red. Grows quick and continuous for several months. Delicious and tasty with a fine flavor. **Pkt., 15c; oz., 50c.**

## TOBACCO

Sow tobacco seed in greenhouse or hotbed in March or April and transplant to the open field when danger of frost is past. **Connecticut leaf. Pkt., 10c; oz., \$1.00.**

## TOMATO

**Listed in Order of Earliness.**

**CULTURE.** Tomato seed should be planted in a box in the house or in hotbeds or greenhouse about the 1st of March, then transplanted once or twice to develop the roots to a good size before setting out in the open. Do not set out until all danger of frost is past, as tomatoes are easily damaged by frost.

### Jubilee Tomato (Yellow)

90 days

Third place winner in the 1943 All-America vegetable awards. Jubilee is different from any tomato ever grown. Skin is yellow, flesh a beautiful tangerine orange. A heavy bearer and quality and flavor equal to the red tomato. **Pkt., 25c.**

### Earlana "Private Stock"\*

95 days

The result of many years' selection from the most perfect and earliest stock. Produces more uniform fruit of a smooth, perfect shape than any other early variety. **Pkt., 10c; ¼ oz., 85c; ¼ oz., \$1.50; ½ oz., \$2.50; oz., \$5.00.**

### Spark's Earlana

98 days

One of the very earliest sorts. Fruit of fair size, color bright scarlet. A prolific bearer, yielding fruit in clusters, particularly in warm, sandy soil. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Break O' Day

98 days

A wilt-resistant tomato developed by Dr. F. J. Pritchard of the U. S. Dept. of Plant Industry. Is nearly as early as Earlana and as productive as Marglobe. Fruits are large, smooth, meaty, red and globe-shaped. Free from cracking. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**



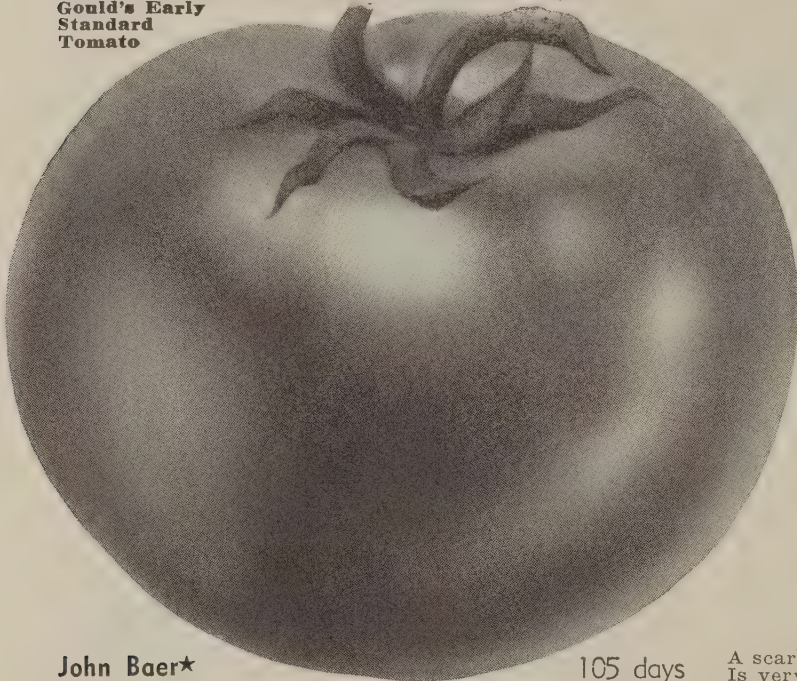
## TOMATO—Continued

### Gould's Early Standard★

98 days

Gould's Early Standard is the result of years of experimenting to obtain a meaty, heavy bearing tomato, that would produce early and bear fruit until frost. It has no equal for the home garden or for market, being an excellent keeper and shipper, fruit being firm, coloring beautifully, producing abundantly from early summer till frost. Flavor is unsurpassed. Unexcelled for canning. No expense has been spared to make Gould's Early Standard the best tomato grown anywhere. **Pkt., 10c; ½ oz., 50c; ¼ lb., 85c; ½ lb., \$1.50; 1 lb., \$2.75.**

**Gould's Early Standard Tomato**



### John Baer★

105 days

Is considered one of the best early tomatoes grown. Fruit is smooth, uniform in size, nearly round, firm and of excellent quality. Will hold up well for shipping. It is a heavy bearer that will last all summer. A favorite with market gardeners, shippers and canners. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Bonny Best★

105 days

A very popular second early variety. Ripens a few days later than Earliana. Vines are vigorous, prolific, fruit red, solid, medium in size, smooth, small core and very uniform in size and color. A very popular variety for early market and also a good home garden tomato. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Pritchard★ (Scarlet Topper)

107 days

This variety is the most disease, wilt and rust-resisting tomato. The fruits are scarlet, large, globe-shaped and very attractive, similar to Marglobe. Pritchard is highly recommended for both home and market garden. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Valiant★

108 days

For an early tomato, Valiant produces a wonderful crop under normal weather conditions. It is not recommended for canning. Fruit is large, smooth, round and of brilliant scarlet color. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Marglobe★

110 days

A fine blight resistant tomato and very disease resistant. It produces immense yields of handsome deep red globe-shaped tomatoes of good size with a flavor that is a happy medium between the acid and non-acid sorts. The shape and size make this a very desirable salad or slicing tomato. A fine tomato for the home or market garden and for shipping. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Livingston's Beauty★

110 days

The vines are large, vigorous and very productive. The fruit is large, uniform in size and very smooth. The skin is purplish-pink and flesh is pink; very solid and fine flavored. A splendid sort for slicing. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Stokesdale★

110 days

A large, second early, round tomato of intense scarlet color. A heavy yielder and a market gardener favorite. Comparatively free from stem-end crack. Very meaty and of fine flavor. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Early Detroit★

110 days

Bears medium size globular fruits of a rich purplish-pink color, smooth, firm flesh. A very good shipper. A heavy producer. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Rutgers★

112 days

This is an introduction by the New Jersey Agricultural College. It is especially adapted for market gardeners, the flesh being firm and sparkling red, maturing about the same time as Marglobe, which it also resembles. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Golden Ponderosa

112 days

A large golden-yellow tomato, in shape very much like the Red Ponderosa. The vines are vigorous and bear right up to frost, fruits very uniform in size and shape that contain very few seeds. **Pkt., 10c; ½ oz., 50c; oz., 85c.**

### Stone★

115 days

This is one of the most popular of the late varieties. It is a good late canning tomato and market garden variety unsurpassed for slicing. The plants are strong and vigorous and produce a heavy yield of fruit where the growing season is long. The fruit is bright red in color, of good size, smooth, round, meaty and fine flavor. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Ponderosa

120 days

This is the largest fruited tomato. It is solid with very small seed cells, of very fine quality for slicing. Some of the fruit is oblong in shape and somewhat ribbed. The color is purplish red. The vines are strong and if staked will grow to a height of 6 or 7 feet. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$7.00.**

### Crimson Cushion or Beefsteak

120 days

A scarlet "sport" from Ponderosa which it also resembles. Is very large, round, with bright scarlet skin, solid flesh of fine quality and seed cells small. Plants are very prolific. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Dwarf Champion

125 days

Dwarf and compact and sometimes called "Tree Tomato." Stands up well even when loaded with fruit, having a stiff, bushy stem. May be planted close together making it desirable for small gardens. The fruit is of a purplish pink color, medium size, smooth and nearly round. Skin is tough and flesh solid. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50; 1 lb., \$5.50.**

### Oxheart

130 days

Fruit is large and very solid with few seeds. It is heart-shaped, the skin pink, and the flavor delicious. Used for second early and main crop. A fine variety. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00; 1 lb., \$7.00.**

## SMALL FRUITED TOMATOES

### Ground Cherry or Golden Husk

120 days

These are greatly valued for preserves, pies, etc. Small yellow fruits enclosed in a thin, papery husk. Very sweet and mild. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00.**

### Italian Large Plum

120 days

This is a bright red plum shaped tomato. The fruit is borne in clusters of six or more. It is very prolific and is used extensively for salads and preserves. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00.**

### Red Cherry

120 days

Small, round, rich deep red fruits, ½ inch in diameter. Used for salads, pickling, etc. **Pkt., 10c; oz., 85c.**

### Yellow Pear

120 days

Fruit is pear shaped, slightly larger than the Yellow Plum, of clear yellow color. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00.**

### Yellow Plum

120 days

A small yellow fruited variety, finely flavored, resembling a plum in size and form. Used mostly for preserving. **Pkt., 10c; oz., 65c; ¼ lb., \$2.00.**

**"GARDEN HUCKLEBERRY" OR WONDERBERRY.** Not a true huckleberry, but belongs to the tomato and pepper family. The fruit is deep purple, nearly black, round and slightly smaller than a Concord Grape. The fruit makes delicious pies, preserves and jams. Fruit should be fully ripened to be edible. Plants, 3 feet. Culture same as tomatoes. **Pkt., 10c.**





## ANNUAL FLOWER SEEDS

### FLOWERING PLANTS

During May and June we offer seedling flowering plants in the most popular varieties. Weather conditions determine just how early plants are ready, but the plant season usually begins the forepart of May and extends well into June. At the time this catalog is being printed in late January we are unable to quote prices, due to uncertainty of the many factors that enter into the cost of raising plants. We also have Geraniums, Pansies, Cannas, Vinca Vines, Daisies in baskets and pots for the window box or garden.

### CULTURE SUGGESTIONS FOR FLOWER SEEDS

Flower seeds should not be planted out before ground warms up. Before planting, soil should be worked up and enriched with fertilizer. This is very important and will make a wonderful difference in your plants. Do not sow your seeds when ground is wet. A good rule is to cover seeds four to six times their diameter, which means that some varieties need merely to be pressed into the soil. Most seeds are planted too deeply. Press the earth firmly around the seed when planting. As plants come up, thin out to prevent crowding. Place supports around tall-growing varieties so that they will not be damaged by wind and rain.

**Starting Indoors.** In order to get earlier flowers and a longer blooming season, a number of annuals such as Antirrhinum or Snapdragon, Carnations, Celosia, Lobelia, Pansies, Petunias, Salpiglossis, Stocks, Verbenas and others had best be started indoors, or in cold frames.

### Abronia (Sand Verbena)

Delights in dry, poor soil and sunny situation. A rapid grower for baskets, window boxes or rockeries. Its fragrant flowers of bright rose with white center bloom in summer and fall. Plants 6 in. **Umbellata**. Pkt. 5c.

### Acroclinium (Everlasting)

Plants about 15 inches high. Lovely white or rosy pink flowers, which when cut in the bud state, can be dried and used in winter bouquets.

**New Large Flowered Double Hybrids.** Greatly improved, the flowers are twice the size of the ordinary strain. Mixed colors. Pkt. 5c.

### BOOKS

**THE HOME GARDEN HANDBOOKS,** by F. F. Rockwell. A series of books that it is a pleasure for us to recommend because each volume covers its ground so well and concisely. Each volume has from 30 to 70 illustrations and contains about 90 pages. Price \$1.25 per book. The titles are:  
**Rock Gardens** **Gladiolus** **Evergreens**  
**Dahlias** **Roses** **Lawns**  
**Irises** **Peonies**

### Agatheia (Blue Daisy)

An old greenhouse plant, 1 to 2 feet, with roundish ovate opposite leaves and an abundance of sky-blue, daisy-like flowers. Use for bedding in a protected place, also fine for house plant. **Coclestis**. Pkt. 5c.

### Ageratum

A half hardy annual of easy culture, especially adapted for borders and bedding as it is literally covered with clusters of feathery blossoms from early summer until frost.

**Ageratum, Midget Blue.** Winner of Silver Award in the 1940 All-America Selections. Only 3 to 4 in. tall, with dense spread of 12 in., freely producing tiny tufts of true ageratum-blue or azure-blue flowers. Truest and most compact dwarf variety so far seen. Pkt. 15c.

**New Ageratum Fairy Pink.** A dwarf compact plant of a delightful soft salmon rose-pink color. Begins blooming when 2 inches high, at its maximum height of 5 inches, forms a solid compact mass of blooms. Pkt. 15c.

**Blue Ball.** Dwarf Compact. Deep dark blue, 9 in. high. Pkt. 5c.

**Blue Cap.** Dwarf Compact. Miniature. 6 inch. Pkt. 5c.

**Blue Perfection.** Semi-dwarf. 8 inches high. Pkt. 5c.

**Little Blue Star.** Flowers open light blue with purple center. 4 in. Pkt. 5c.

**Mexicanum Blue.** 18 in. high. Pkt. 5c.

**Dwarf.** white, 5 inches. Pkt. 5c.

### Alyssum, Sweet

For borders, edging and rock work, we recommend a liberal use of this dainty little flower. It will keep blooming well into November here in the Northwest, and will stand many severe freezes.

**Little Gem.** Of dwarf compact habit, only 4 inches high. Plants start blooming very early and flower from spring until late in the fall. One of the easiest grown. Pkt. 5c, ¼ oz., 20c; ¼ oz., 25c; ½ oz., 35c; 1 oz., 65c.

**Violet Queen.** Plants are dwarf, compact, neat in habit, free flowering. The small sweetly scented flowers are a rich, deep shade of violet. Pkt. 5c.

**Carpet of Snow (Procumbens).** 2 to 3 inches high, pure white flowers that bloom so freely that the plant has a snow-like appearance all summer. Pkt. 5c; ¼ oz., 20c; ¼ oz., 25c; ½ oz., 35c.

**Snow Cloth (Procumbens).** An excellent new selection, plants flat, compact mass of pure white flowers. Pkt. 5c.

**Maritimum.** Of creeping habit, 9 in. Fragrant white flowers bloom all summer. Pkt. 5c.

**Lilac Queen.** A very pretty dwarf plant growing about 6 inches high, of deep lavender-lilac color. Pkt. 5c.

**Minimum.** A very dwarf plant, only 2 to 3 inches high, with white flowers. Pkt. 5c.

### Anagallis (Pimpernel)

Dwarf plants 6 to 8 inches tall, with blue or red flowers. Bloom freely all summer. Flowers close at the approach of bad weather. Very effective for edgings, rockeries or in pots. Does best in a sunny location. **Grandiflora**, mixed colors. Pkt. 5c.

### Amaranthus

Brilliant foliated annuals used as centers of large beds or for borders of tall plants. Give plants plenty of room. Grow 3 to 5 feet high. Mixed. Pkt. 5c.

### Anchusa (Cape Forget-Me-Not)

A rare annual, grows 2 feet high, blooming all summer. It resembles a large beautiful Forget-Me-Not of deep blue color. Thrives in shade. Pkt. 5c.

### Antirrhinum (Snapdragon)



**Antirrhinum, Rust Proof.**

One of the most popular cut-flowers. Giant Snapdragons grow 2 to 3 feet high; flowers closely placed on the stem. For early blooms sow indoors in March and set out in the open after a 11 danger of frost is past. Plant or thin to 9 inches apart. Seed in the open about May 1st for late blooming. **Grandiflora** Finest Mixed. Pkt. 5c.

**Grandiflora Rust Resistant.** In some

sections of the country Antirrhinums cannot be grown on account of the rust which attacks the foliage. The rust resistant varieties now assure success and are equally fine for border, cutting and florist use.

**Amber and Gold.** Golden amber, golden yellow lip.

**Apple Blossom.** Rose pink, white tube.

**Canary Bird.** Giant yellow.

**Copper King.** Bronze brown.

**Garnet.** Velvety crimson.

**Indian Summer.** Coppery orange scarlet.

**Loveliness.** Soft rose pink.

**Old Gold.**

**Red Cross.** Crimson, white tube.

**Rosalie.** Rich deep rose.

**Ruby.** Velvety carmine-crimson.

**Shasta.** Pure white.

**Yellow Giant.** Deep yellow.

**All Colors Mixed or Individual Colors** of the above. Pkt. 10c.

**Super Majestics, Rust Resistant.** This type is base-branching which greatly increases its value for cutting. **Superb Mixed.** Pkt. 10c.

### Arctotis (African Daisy)

A handsome annual, forming a branching bush 2 to 3 feet high. Its flowers are large and showy, being pure white on the upper surface, the reverse of the petals being a pale lilac blue. Blooms from early summer until frost. **Grandis**, Lilac. Pkt. 5c. **Hybrids**, showy daisy-like flowers in beautiful autumn shades. Pkt. 10c.



**Arctotis Grandis**  
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## Asters

### No. 6—1943 All-America Award.

**Victory Giants.** A 1943 All-America winner. Extra Early Giants of California type with strong straight cutting stems on sturdy plants to three feet tall. Crown flowers average 5 inches across. Not wilt-resistant. Mixture includes salmon pink. Mixed colors only. Pkt. 25c.

### No. 7—1943 All-America Award—see back cover.

**Extra Early Giant Crego, Navy Blue.** A 1943 All-America. Large 4-in. long petaled, double flowers of deep purple blue, described as blackish blue. Plants 12 to 20 inches with straight, 10-inch cutting stems. Pkt. 25c.

**Rose Marie.** A 1940 All-America. Best cut-flower color of rose-pink; highly fluffy centers and long, narrow petals on 3 to 4-in. flowers, borne on long, stout stems. Wilt-resistant. For florist and garden culture. Pkt. 10c.

**Aster Early Giant, Wilt-Resistant, Light Blue.** A 1939 All-America. Delightful clear blue, extremely large flowered, early bloomer. Pkt. 10c.

### Queen of the Market. Wilt R.

About two to three weeks earlier than most other Asters; bloom profusely and are of graceful habit. Flowers are borne on long stems, making them very desirable for cut flowers. 15 to 18 inches high. Crimson, Dark Blue, Light Blue, Scarlet, White or Mixed. Pkt. 10c.

### Single Chinensis. Wilt R.

Plants 2 to 2½ feet, flowers daisy-like, petals wide and closely placed. Showy plants. Dark blue, lilac, scarlet, rose, white or mixed colors. Pkt. 10c.

**Improved Crego Giant Comet Aster.** This fine Aster grows over 2 feet tall and is well branched; of free, sturdy growth. The fluffy graceful flowers resemble the Chrysanthemum in form, rarely less than 3 inches across.

### WILT RESISTANT

Crimson, Azure Blue, Dark Violet, Deep Rose, Orchid, Shell Pink, White or Mixed. Pkt., 10c.

**Improved Giant California Sunshine.** This Aster blooms in mid-season with flowers 4 to 5 inches across, composed of a single row of loosely placed outer petals which contrast with the unique yellow quill-like center disc. Plants, 2 to 3 feet. Finest Mixed. Pkt. 10c.

### Hearts of France. Wilt R.

Medium size flowers open ruby-red and color deepens with age. Plants are 1½ to 2 feet tall, of branching type and very robust. Begin to bloom early and retain their beauty for a longer period than most Asters. Pkt. 10c.

### Early Beauty.

#### Wilt R.

Flowers from early July until frost. The plants are from 2½ to 3 feet, with long, stout stems bearing large flowers. Crimson, Purple, White, Azure blue, Deep Rose, or Mixed. Pkt. 10c.



Aster Beauty

**American or Vick's Late Branching.** This superb strain produces plants 2 to 3 feet high, bearing on long strong stems their handsome chrysanthemum-like flowers 4 inches across. The large, fluffy blooms are double to the center, of exquisite form and color.

### WILT RESISTANT

Crimson, Light Rose, Purple, Azure Blue, White or Mixed. Pkt. 10c.

### Improved Giants of California

The flowers are much larger than the Improved Crego, about 6 inches in diameter, and are unsurpassed as cut flowers. Their immense size and beauty, as well as their long and sturdy stems make them very attractive. Plants, 2½ to 3 ft. Mixed colors, double. Pkt. 10c.

## Golden Sheaf. Wilt R.

The deepest Yellow Aster that is wilt resistant. The flowers are fully double, with an attractive crest-like center, of good substance and fine depth of petal. Plants, 2 feet tall. Pkt. 10c.

### Ball. Wilt R.

Bright deep Rose, early.....Pkt. 10c  
White, large flowers, late.....Pkt. 10c  
White, early .....Pkt. 10c  
Deep bright Purple, early.....Pkt. 10c

### King or Needle Type. Wilt R.

Flowers large and full, with needle-like petals. Finest mixed.....Pkt. 10c

### Early Royal. Wilt R.

Plants branching, 1½ to 2 feet, blooming directly following the Queen of the Market. Azure Blue, Deep Rose, Salmon Rose, Scarlet, Purple, White or Mixed .....Pkt. 10c

### Lilliput Flowered Aster

Plants, 14 to 16 inches, producing abundant small flowers, fine for cutting. Finest Mixed.....Pkt. 10c

### Imbricated Pompon Aster

Plants upright, 14 to 16 inches, small round pompon flowers, outside row short guard petals, very early. Finest Mixed .....Pkt. 10c

### Bachelor's Button (See Centaurea Cyanus)

## Balsam (Lady Slipper)

Showy and easily grown tender annuals, succeeding best in sunny locations where there is rich loam. We offer very large, extra double flowers in several colors and shining green foliage. Bloom from July to October. 18 inches high. Mixed colors. Pkt. 5c.

## Bush Balsam

Differs from the Lady Slipper Balsam in that the flowers appear in clusters on the top of the stems like double roses, instead of hidden on the sides of stem. Plants are 18 to 24 inches high. Our mixture contains shades of white, rose and red. Mixed. Pkt. 15c.

## Bartonia Aurea (Blazing Star)

Very showy hardy annuals producing golden yellow flowers during the summer above its gray and downy thistle-like foliage which is exceedingly brilliant in the sunshine. Blooms measure 2½ inches across. Sow it where it is to remain as it does not bear transplanting. Prefers moist situation. Fine for borders. 12 to 18 in. Pkt. 5c.

## Beans, Scarlet Runner

A rapid growing annual climber, producing bright red flowers from July to September. The dense foliage makes it splendid for porches or wherever shade is desired. Vines grow about 10 ft. Pkt. 10c.



Brachycome.  
Swan River Daisy.

## Brachycome

(Swan River Daisy)

A dwarf, free-flowering plant which blooms in great profusion the greater part of the summer. The daisy-like flowers are blue and white, plants about 9 to 12 inches tall. Mixed colors. Pkt. 5c.

## Browallia Elata

Pretty, free-flowering, half hardy annual suitable for summer bedding. The white or blue flowers during summer and autumn are fine for cutting. Lift and cut back in the fall for house plant. 12 to 15 inches high. Mixed. Pkt. 5c.

## Cacalia

(Tassel Flower)

An attractive bedding plant about 18 inches tall bearing tassel-like orange and scarlet flowers on long, wiry stems. A good cut flower. Blooms from June to frost. Mixed Pkt. 5c.



Cacalia.

## Calendula

Free flowering plants of easy culture, succeeding everywhere and flowering continuously. The flowers are double, showy, of large size and pleasing colors. Height, 15 to 18 inches.

Mixed colors. Pkt. 5c.

**Frisled Beauty.** Deep orange with frilled petals. Pkt. 5c.

**Balls Gold.** Dark golden yellow flowers of erect habit, long stems. Pkt. 5c.

**Balls Orange.** Immense double flowers of a brilliant glistening orange, borne on long stems. Pkt. 5c.

**Apricot Queen.** Soft Apricot, Shaded Orange, dark eye. Pkt. 5c.

**Balls Masterpiece.** Long stemmed, deep orange, brown center. Pkt. 5c.

**Balls Supreme.** Orange, dark center. Pkt. 5c.

**Badger's Pastel Bedding Mixture.** A combination of the dwarfier growing types. Many new shades of apricot, cream and white are included, as well as the better known orange and lemon. Lovely for border. Pkt. 5c.

**Orange Shaggy.** Winner of a Gold Medal in the 1935 All-America Selections. Deep orange in color, excellent for both garden and cutting. Pkt. 5c.

**Campfire Improved.** One of the best early forcing varieties. Flowers are dark orange, high lighted with a scarlet sheen. Pkt. 5c.

**Chrysanth.** Is distinct in type, outstanding among all varieties. The large double flowers are an exquisite shade of clear yellow. Ideal for cutting. Pkt. 5c



Calendula

## Calliopsis

Showy and free-flowering annuals, blooming all summer. Excellent for cutting. You will prolong the blooming season by keeping old flowers cut off. Sow where they are to remain and thin to 8 to 12 inches apart. Of easy culture. Tall mixed, 24 to 30 inches. Pkt. 5c. Dwarf mixed, 6 to 10 ins. Pkt. 5c.



Calliopsis.



## Canary Bird Vine

A quick climbing tender annual of the nasturtium family. Blossoms have curiously winged light yellow petals. Does well in the shade. Grows 10 to 15 feet in a season. Pkt. 5c.

## Candytuft

Showy branching plants for edging or to fill in empty spaces in the garden. Desirable for cut flowers. Blooms 8 weeks from sowing and until frost. Plants grow from 12 to 18 inches high and succeed in any light airy place. Do not plant closer than 6 inches apart, but 8 inches is better.

**Umbellata.** Lilac, White, Crimson, Rose, Red, 12 inches. Each, pkt. 5c.

**All colors mixed.** Pkt. 5c.

**Hyacinth Flowered.** White, 12 inches. Pkt. 5c.

**Little Prince.** Snow White, 6-8 inches. Pkt. 5c.

## Canterbury Bells (Annual)

After many years of experimenting, an Annual Canterbury Bell has been developed that will bloom from seed in less than six months. The plant grows 2 to 2½ feet tall, each plant having from 6 to 8 spikes of bloom. We offer mixed packets only, of the following colors: Pink, Rose, Dark Blue, Light Blue and White. **Mixed colors.** Pkt. 5c.

## California Poppy (Eschscholtzia)

This is the state flower of California. The beautiful and brilliant poppy-like flowers produced on a low-growing and finely-cut silver foliage will bloom freely from spring until frost. Seed must be sown where they are to remain. Plants are about 12 inches tall.

**Hybrida Dwarf Erecta Mixed.** Pkt. 5c.

**Aurantiaca.** Orange, spreading type. Pkt. 5c.

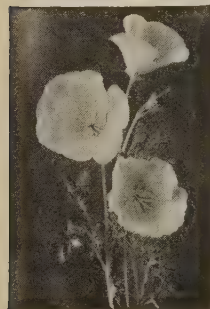
**Double Golden Glory.** Golden Glory with its glorious profusion of golden yellow flowers deepened at the center with orange, is showiest of all Calif. Poppies. Pkt. 5c.

**Golden West.** Yellow orange center. Pkt. 5c.

**Lovely.** Carmine rose, suffused salmon. Dwarf. Pkt. 5c.

**Ramona Hybrids.** Flowers are beautifully frilled and incurved. Finest mixed. Pkt. 5c.

**Creamy Crinkles.** (New.) Large extra double flowers of a delightful apricot-buff. Most unusual. Pkt. 10c.



Calif. Poppy.

## Canna

Cannas can be grown from seed if planted early. Seed germinates irregularly in two to four weeks. 2½ to 4 feet. **Mixture from newest varieties.** Pkt. 5c.

## Cardinal Climber

This is a very attractive, rapid growing climber attaining a height of 25 feet, with deep cardinal-red flowers and fern-like foliage. Flowers are about one inch in diameter and are borne in clusters five to seven blooms each, from mid-summer till frost. Does best in a sunny situation and rich soil. Pkt. 5c.

## Carnation

**Marguerite.** These carnations bloom in about five months after sowing. The flowers are of brilliant colors, ranging through many beautiful shades of red, pink, white, and variegated. About one-half the blossoms are extremely double, while balance are partly double and single. Most beautiful for cut flowers and very fragrant. Seeds should be sown indoors in February and transplanted to the open when all danger of frost is past. Height, 18 to 20 inches. All colors mixed. Pkt. 10c.

## Castor Oil Bean (Ricinus)

Ornamental plants of stately growth and picturesque foliage, with brilliant colored blossoms, producing a tropical effect. It thrives in rich well-drained sandy or clay loam, but is not suited for stiff clay or very sandy soil.

**Borboniensis Arboreus.** Very large and beautiful. The foliage is light green, height 12 to 15 ft. Pkt. 5c.

**Sanguineus.** Blood red stems with green foliage. Growing to a height of 5 to 6 feet. Pkt. 5c.

**Zanzibariensis.** The ornamental leaves of a variety of colors beautifully lobed, are 2½ to 4 ft. across. Each plant thickly set from top to bottom. Height 10 to 12 ft. Pkt. 5c.

**All Varieties Mixed.** Height 5 to 12 ft. Pkt. 5c.

## Celosia Childsii (Chinese Woolflower)

Plants grow 2 to 3 feet high; the bloom starting early with a central globular head which reaches an immense size. Many branches are thrown out, each bearing a woolly-like ball of scarlet. These blooms of scarlet balls will continue to multiply and enlarge until killed by frost. Pkt. 5c.

## Celosia Cristata (Cockscomb)

Freely flowering annuals of easy culture, producing large comb-like heads. Does better in light soil that is not too rich.

Tall, mixed, 24 to 30 in. high. Pkt. 5c.

Dwarf, mixed, 8 to 12 in. high. Pkt. 5c.

## Celosia Plumosa

(Feathered Cockscomb)

These are extra fine in groups, similar to the Cristata in habit of growth. Blossoms are slender, of a feathery appearance. Height, 18 to 24 inches. Mixed. Pkt. 5c.



Celosia Plumosa.

## Celosia (Dwarf)

Form compact plants with numerous feathery spikes which resemble ostrich plumes. Very showy. 12 inches high.

**Golden Feather.** Yellow. Pkt. 10c.

**Fiery Feather.** Red. Pkt. 10c.

## Centaurea Cyanus

(Double Bachelor's Button or Cornflower)

Produces a mass of very attractive flowers in many colors. It is a very hardy annual and reseeds itself from year to year. Make sowings at intervals of three weeks apart beginning in early May. Plants 18 to 24 inches high.

Lavender, ruby, maroon, rose, blue, cerise, white or mixed. Pkt. 5c.

Blue or mixed, ¼ oz. 15c.

**Blue Boy.** A great improvement over the older Blue Bachelor Button. Fully double. Pkt. 5c.

**Centaurea Cyanus Dwarf Jubilee Gem.** Received 1937 All-America Award. Plants are dwarf, compact, about 1 ft. tall, and covered with vivid blue, double blooms. Fine for rockery, garden and as a pot plant. Does best in semi-shade. Pkt. 5c.



Centaurea Cyanus.

## Climbing Vines Special Mixture

This mixture consists of Morning Glory, Hyacinth Bean, Wild Cucumber, Cypress Vine, Kudzu Vine, Climbing Nasturtiums, etc. Pkt. 5c.

## Centaurea Imperialis (Sweet Sultan)

The most beautiful of all Centaureas. The sweet scented, artistic-shaped flowers are borne on long, strong stems, and when cut will stand for days in good condition. It is of easy culture and one of the best annuals for cut flowers. Blooms all summer. Height, 15 to 24 inches. Finest mixed. Pkt. 5c.

## Chrysanthemum



Chrysanthemum, Annual Single.

Finest single or double-mixed. Pkt. 5c.

Annual varieties. These are showy and effective garden favorites. Extensively grown for cut flowers. The foliage is ornamental and finely cut. The single varieties grow 12 to 24 inches high, and produce on long stems large flowers resembling the daisy, but of many bright colorings in distinct bands or rings. Flowers June until frost.

## Clarkia Elegans

Bright and attractive annuals of easy culture. The long graceful sprays are valuable for table decoration. They thrive in sun or shade, growing 2 to 2½ feet high, with masses of double flowers and buds which will all open in water when cut. Blooms July and August. Bright carmine, scarlet, white, deep rose, salmon orange, orange shading to pink, salmon pink or mixed colors. Pkt. 5c.



Clarkia Elegans.

## Cleome (Spider Plant)

Showy and interesting because of the long purple spidery stamens and showy rose-colored petals. Does well in sandy soils and sunny situations. A good bee plant. The airiness of the Cleome lends a touch to the garden which nothing else gives.

**Giant Pink Queen.** Second-place winner in the 1942 All-America Flower Awards. A tall and attractive border plant, 4 ft. high. Flowers of a delightful refreshing pink. Blooms from June until frost. Pkt. 10c.

## Cobaea Scandens (Cathedral Bells)

One of the handsomest and most rapid growing of the annual climbers. Climbs twenty to thirty feet in a season. The flowers are bell shaped, white or blue color. Should be started indoors. Blue or mixed. Pkt. 5c.

## Coix Lachryma (Job's Tears)

An ornamental grass with broad leaves and shiny, pearly-like beads. Height from 30 to 40 inches. Plant early in the spring, four or five seeds in a hill, one-half inch deep, at a distance of 12 or 15 inches apart. Pkt. 5c.

## Coleus

**Hybridus Choice Mixed.** Plants with rich colored foliage. Pkt. 10c.

## Convolvulus (Rock Garden Annual)

Very fine plant for the rockery or hanging baskets. Grows 6 inches high, flowers blue with white throat. Blooms all summer. **Mauritanicus.** Pkt. 10c.

## Corn, Ornamental Indian (Squaw)

The ears of corn have multi-colored kernels, much desired for ornamental decorations. Pkt. 5c.



## Cosmidium

Plants grow two feet tall and produce a succession of blooms all summer. Flowers are golden yellow with a broad circle of rich orange around the disc. Pkt. 5c.

## Cosmos

The Cosmos is one of the most attractive of the autumn flowering annuals. Its graceful flowers borne on long stems, rising above the feathery foliage, are very desirable for cut flowers, lasting for a week or more in water. Very effective for interplanting with early blooming perennials.

**Gould's Extra Early Cosmos** is the earliest of its kind, growing to a height of about 4 feet and if seeded in the open as soon as the soil is in condition, or transplanted from plants after all danger of frost, Cosmos will bloom from July until frost.

White, Pink, Crimson or mixed. Pkt. 5c. No. 5—1943 All-America award—see back cover.

**Sensation Dazzler**, A 1943 All-America winner. Large 3 to 5-inch blooms on long stems. Flowers a very rich shade of deep velvety crimson maroon. Fine for cutting. Plants 3 to 4 ft. Pkt. 25c.



**Sensation**, All-American 1936 winner. Flowers are 4 to 6 inches across. For best show, leave plants 3 to 4 feet apart and disbud for exceptional flowers on long cutting stems. Plants 3 to 4 ft. tall. Crimson, rose-pink, white or mixed. Pkt. 10c.

### Cosmos, Sensation

**Extra Early Double Sensation Mixed**. Similar to the Single Sensation excepting double flowers of white, pink and crimson appear even larger. Pkt. 15c. **Orange Flare**, Grand Champion 1935 All-American. The long stemmed flowers of bright vivid orange are freely borne on 2 to 3-foot well-shaped plants. If started indoors plants will flower in 60 to 70 days after setting out. Pkt. 5c.

**Orange Ruffles** (semi-double). New, vivid rich orange butterfly-like semi-double blooms, very free flowering. Pkt. 10c.

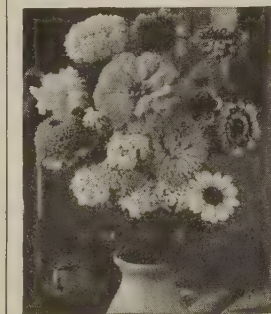
**Yellow Flare**, A 1942 All-America Winner. Similar to Orange Flare except color, which is a rich golden yellow. Free flowering, long stems. Pkt. 10c.

### Cosmos, Extra Early Double Crested

Grow to a height of about three feet, bearing beautiful flowers on long stems. They bloom in seventy days from seed when sown in the garden, and will continue until frost. Crimson, pink, white or mixed. Pkt. 10c.

## Cuphea Firefly

A new dwarf, compact plant, about 10 inches high recommending itself for rockery, window boxes, flower pots, border or edging. The delicately formed flowers of fiery cerise red color are freely produced, from mid-summer on. A tender annual. Start indoors for early blooms. Pkt. 10c.



## Cut-Flower Mixture

A special mixture of annuals in a good variety of color, that will produce a continuous succession of beautiful cut flowers from early summer until late in the fall. Pkt. 5c.

## Cynoglossum (Chinese Forget-me-not)

An annual of easiest culture forming strong plants about 18 inches high, producing sprays of flowers delicately scented through the summer. Amabile. Blue, pink or mixed. Pkt. 5c.

**Cynoglossum**, Firmament. Received Bronze Medal in the 1939 All-American Selections. A new dwarf type of Chinese Forget-me-not of rich blue color, 15 to 18 inches high and bushy. Easy to grow. Pkt. 5c.

## Cypress Vine

A popular annual climber. It has a delicate fern-like foliage and produces a mass of beautiful star-shaped flowers. Grows from 10 to 15 feet a season. White and scarlet, mixed. Pkt. 5c.

## Dahlia Seed

Wonderful blooms are obtained the first season if seeds are started indoors and transplanted out about May 15th to 20th. Some of the seeds may come up in a few days, while others may not for months. As seedlings make about two leaves, transplant into a three-inch pot or small container until danger of frost is over when they can be set out in the open. Height, 18 to 36 inches.

**Single or double** mixed. Pkt. 10c.

**Cactus Flowered**, mixed. Pkt. 10c.

**Unwins Dwarf Giant Flowered**, mixed. Pkt. 10c.

**Coltness Hybrids**, very dwarf, for bedding. Pkt. 10c.



### Dahlia, Unwins

One of the most popular flowers. The double varieties are nearly as nice as Carnations for cutting. The annual varieties may be sown in the open when danger from frost is past and will bloom from early summer until frost. 12 to 15 inches high. China-



Dianthus

**sis (China Pinks)**. Large, double flowers in mixed colors. Pkt. 5c.

**Double Diadem Pinks**. Finest mixed colors. Pkt. 5c.

**Plumarius (Grass or Clove Pinks)**. Double, semi-hardy. Mixed. Pkt. 5c.

**Heddevigi (Pinks)**. Large single flowers. Mixed colors. Pkt. 5c.

**Heddevigi**. Large double flowers, mixed colors. Pkt. 5c.

**Heddevigi Laetnatus Splendens**. One of the newest additions, single flowers over two inches across. A brilliant shade of crimson with large glistening white eye. Plants, 6 to 8 in. Pkt. 5c. **Double Annuals**, Mixed colors. Pkt. 5c. **Single Annuals**, Mixed colors. Pkt. 5c. **Hardy Garden Pinks**. Will come up year after year if winters are not too severe. Mixed colors. Pkt. 10c.

## Dianthus, Rock Garden Pinks

Suitable for rockery or any other hot, dry spot. Of easy culture. Will thrive in any well-drained sunny location.

**Deltoides (Maiden Pink)**. A beautiful little plant, bearing a profusion of small crimson flowers during June and July. 6 inches high. Pkt. 5c.

**Caesius (Cheddar Pink)**. Very compact in growth, rose colored fragrant flowers in May. 8 inches high. Pkt. 5c.

## Didiscus Coeruleus (Blue Lace Flower)

A very attractive light blue or lavender flower produced on long stems. Very fine for cut flowers, and a continuous bloomer. A lovely plant for the garden. 24 to 30 in. high. Pkt. 5c.

## Dimorphotheca (African Daisy)

A rare and extremely showy annual Daisy which blooms freely under ordinary climatic conditions. The plants grow about 15 inches high producing an abundance of daisy-like flowers, the greater part of the summer and fall.

**Aurantiflora (Orange)**. Blossoms a unique rich orange gold. Pkt. 5c.

**Double Hybrids Mixed**. These new double crested hybrids in colors of deep salmon-orange to white with many yellow and cream shades, bloom freely all summer right through the hottest period. Pkt. 25c.

**Aurantiflora Mixed**. They vary in color from white to red, and various tints of yellow, orange and salmon. Pkt. 5c.

**Salmon Beauty**. Soft salmon pink. Pkt. 5c.

**Ringens**. Flowers are large, pure white with blue zone. Pkt. 5c.

**Ecklonis**. Pure white, deep blue disc, reverse side lavender. Pkt. 10c.



Dimorphotheca

## Dolichos (Hyacinth Bean)

A rapid growing and free blooming annual climber. Very ornamental for covering trellises, arbors and porches. Makes a very beautiful combination when interplanted with scarlet runner beans, giving a variety of color. Sow in the open after danger of frost or sow early indoors and transplant outside later. Grows about 10 feet a season. Purple, White or Mixed. Pkt. 5c.

**Echinocystis**—See Wild Cucumber Vine

**Eschscholtzia**—See California Poppy

## Everlastings

A get-acquainted collection of selected everlasting flowers. 1 to 4 feet tall. Mixed. Pkt. 5c.

## Four O'Clocks (Marvel of Peru)



Four O'Clocks

A popular old garden favorite, growing to a height of about 2 feet. Forms small tree-like bushes about 1½ feet through, which are covered with Morning Glory-like flowers of white, yellow, pink, orange and red, from July to October. Flowers open about 4 o'clock in the afternoon, remaining open until about noon of the next day. Make an attractive hedge plant. Tall mixed. Pkt. 5c.

## Gaillardia

(Blanket Flower)

Very beautiful plant and remarkable for the profusion, size and brilliancy of its flowers, blooming from early summer until frost. Fine for cut flowers. 12 to 18 in. high. Single or double mixed. Pkt. 5c.

**Indian Chief**. Single, bronzy red. Pkt. 5c.



Single Gaillardia



**INDOOR GARDENER**, by Daisy T. Abbott. This book tells all you need to know for potting, repotting, watering, feeding and propagating plants indoors. 96 illus. \$1.50.

### Geranium

Seed may be started indoors early in the year and will produce blooming plants the same summer. Choice varieties. Mixed. Pkt. 15c.

### Gilia

These delightful flowers are rapid growers and fine for cut flowers.

**Capitata (Queen Anne's Thimble).** Charming and attractive bushy plants of erect habit and fine feathery foliage, blooming all summer. May be dried and used as an everlasting. Lavender. 1½ to 2½ feet tall. Pkt. 5c.

**Micrantha Fairy Stars.** Tiny daisy-like flowers in rose, pink, orange, yellow, cerise and cream. Plants, 6 to 8 inches high. Mixed colors. Pkt. 5c.

### Globe Amaranth (Gomphrena)

An attractive everlasting that produces an abundance of clover-like blossoms in many attractive colors. Flowers can be dried and used for winter bouquets. 15 to 18 inches high. Mixed. Pkt. 5c.

### Godetia

An attractive annual which does best in poor soil and partly shaded. The flowers are of satiny texture in many colors, blooms resembling single Hollyhocks, flowering from June to October. Tall, 18 to 24 in. Mixed colors. Pkt. 5c.

**Dwarf, 10 in.** Mixed colors. Pkt. 5c.

**Sybil Sherwood.** A gorgeous salmon pink, softened by an edging of white. 20 inches high. Pkt. 5c.



Ornamental Gourds

### Gourds (Ornamental)

Can be easily grown in any garden soil. Gourds mature and ripen better if trained over fences or trellis. Sow seed in hills 3 feet apart and allow 3 plants to grow in each hill. Watering during flowering period will cause dropping of flowers and buds, and consequent loss of Gourds. Do not harvest Gourds until stem becomes brown and pressure with the fingernail cannot dent the shell of the Gourd. After picking, Gourds should be hung in any airy, dry place until thoroughly cured.

**Caveman's Club.** Small Mixed.  
**Turk's Turban.** Large Mixed.  
**Warted.** Large and Small Mixed.  
**Calabash (Penguin or Pipe.)** Any package of above 5c each.

**Holy Crown (Crown of Thorns or Ten Commandments).** Ten prongs extend from the front of the fruit. Color, white or ivory-white. Pkt. 5c.

### Gypsophila (Baby's Breath)

Flowers a few weeks after sowing. Its graceful panicles of dainty blossoms and feathery foliage are unequalled for making up bouquets. Sow at intervals during the summer for continuous blooming. 18 to 24 inches high. White, Pink, Carmine. Mixed. Pkt. 5c.

### Helichrysum (Straw Flower)

Pretty Everlasting flowers in beautiful colors, many soft and artistic shades. Splendid for winter bouquets. To preserve them cut the flowers before they are fully expanded and hang heads down in a dry place. Grow 15 to 24 inches high. Mixed colors. Pkt. 5c.



Helichrysum

### Helianthus (Sunflower)

Hardy annuals of sturdy growth, remarkable for the size and brilliancy of the flowers which are very useful for cut flowers. Effective in forming background of large beds or borders and for distant effect.

**Extra Dwarf Chrysanthemum Flowered.** 3 feet. Double golden yellow flowers. Pkt. 5c.

**Dwarf Maroon Prince.** 4 feet. Single, best red. Pkt. 5c.

**Miniature.** 5 feet. Golden yellow, small flowers. Pkt. 5c.

**Stella.** 5 feet, large flowered. Pkt. 5c.

### Heliotropium (Heliotrope)

A splendid bedding plant about 18 inches high. Its delightful perfume makes it most desirable for bouquets. Start indoors or plant seed in open in May. Makes a fine house plant for winter. Colors, various shades of lavender. Pkt. 10c.

### Heterophyllia (Mex. Fire Plant)

Annual Poinsettia resembling in habit and color the hothouse Poinsettia. About mid-summer the center top leaves of each branch turn orange scarlet, presenting a striking appearance. Is of branching bush-like form. 2 to 3 feet high. Pkt. 5c.

### Hollyhocks (Annual)



Hollyhock  
Indian Spring

A comparatively new class of Hollyhocks. Blooms the first year from seed, when sown in April or May. The soil should be very rich, deeply dug, and during dry weather watered liberally. Height, 4 to 5 feet.

Semi-double or single, mixed. Pkt. 5c.

**Indian Spring.** Received second highest award in the 1939 All-America Selection.

tions. Blooms in five months from seed, with secondary blooms developing in side shoots after main flowering stem is cut away, the same season. It has semi-double to double fringed flowers in shades of pink on 4 to 5-foot plants. Pkt. 5c.

### Humulus Japonicus (Japanese Hop)

One of the most rapid climbers grown. Seed may be sown in the open ground in spring and the plants will grow to an enormous size in a very short time. The foliage is luxuriant and is one of the best plants for covering verandas and trellises. Leaves are beautifully marked with white, yellowish green and dark green. It is very hardy and not affected by heat, drought, or insects. Height 10 to 20 feet. Pkt. 5c.

### Hunnemannia

**Giant Yellow Tulip Poppy or Bush Eschscholtzia.** The best of the poppy family for cut flowers, remaining in a fresh condition for several days. Produces an abundance of brilliant yellow, tulip-shaped flowers from July until frost. 15 to 20 inches high. Pkt. 5c.

**Sunlite.** A semi-double poppy of bright canary yellow, on a bush of light gray green. Plants 2 feet. Pkt. 5c.

### Ice Plant (Mesembryanthemum)

Dwarf trailing plant, prized for its singular icy-like foliage. The white and pink flowers and leaves appear to glisten with dew or crystal beads. Likes dry, sunny situation. About 6 inches tall. **Crystallinum.** Pkt. 5c.

### Ipomoea (Morning Glory)



When growing Ipomoeas especially **Heavenly Blue**, plant in a dry, sandy location and never apply fertilizer. Do not sow outdoors until ground is thoroughly warmed.

**Heavenly Blue Improved.** Similar to the old **Heavenly Blue**, but easier to grow and vines do not make such rank growth. Flowers much earlier and remain open until

late in the afternoon. Color is a deep intense blue, shading lighter toward center. Pkt. 10c; ¼ oz. 20c; ¼ oz. 30c.

**Pearly Gates.** Silver Medal Award, 1942 All-America Selection. Seemingly identical in growth, foliage and bloom with Clark's **Heavenly Blue Morning Glory** except white in color, with a creamy shading in the throat. Grows about 12 ft. a season. Pkt. 15c.

**Scarlett O'Hara.** (1939 All-America Gold Medal.) Flowers are a rich wine red, blooming 65 days after seed is sown. Flowers are not quite as large as **Heavenly Blue**. Pkt. 10c.

**Clark's Earliest Heavenly Blue Morning Glory.** Flowers sky blue, shading golden yellow in throat. Bloom early. Pkt. 5c; ¼ oz. 20c; ¼ oz. 30c.

**Cornell.** A 1939 All-America Selection. Large flowered intense carnelian red with pure white border. Rapid grower, flowers early when vines are 2 feet tall and until frost. Pkt. 10c.

**Alamo or Mile-a-Minute Vine.** Foliage is fine and dainty and delicate in appearance; a quick grower, creamy white flowers with red center. Pkt. 5c.

**Double Rose Marie.** Flowers are a beautiful deep rose of double and semi-double form. A novelty. Pkt. 10c.

**Imperialis Morning Glory.** The flowers are of gigantic size, and the colorings range from snow-white to purple with all the intermediate shades. Pkt. 5c; ¼ oz. 20c.

**Noctiflora (Moonflower).** Covered with large white flowers every evening and cloudy days. Seed should be started in March or April indoors. Pkt. 5c.

**Tall Mixed Morning Glory.** The flowers are very beautiful. Pkt. 5c; ¼ oz. 10c; 1 oz. 15c.

### Kochia

(Summer Cypress or Mex. Fire Bush)

Sow thinly in spring. Soon forms a cypress-like hedge of lively green and of perfect symmetry, 2 to 3 feet high. The color of entire plant changes to a deep red in autumn. Pkt. 5c.



Kochia

**Lace Flower**  
(See *Didiscus*)



## Lantana

A tender perennial plant with Verbena-like fragrant flowers in shades of white, red, orange and yellow. Grow in pots and set out in summer. Blooms until late in the fall, 15 to 20 inches high. Dwarf Hybrids, mixed colors. Pkt. 10c. Hybrids, mixed. Pkt. 10c.



## Lavatera

(Annual Mallow)

### Marigold Ferdinand

Showy plants, 2½ feet in height, producing large cup-shaped flowers from mid-summer until frost. White, rose or mixed. Pkt. 5c.

## Larkspur

These annual Larkspur are among our showiest garden flowers. The flower spikes of various shades are among our finest for cut flowers. Spring-sown seed will produce flowers from July until frost. Larkspur thrive best in a sunny situation. Height, 3 feet.



Larkspur

**Giant Imperial.** Azure Blue, Carmine Rose, Coral Pink, Dark Blue, Deep Rose on Salmon, Delicate Lavender, Rose Pink, Salmon Rose, Soft Pink Shaded Salmon, Scarlet, White. Each Above or Mixed Colors. Pkt. 5c.

**Lilac King or Pink King.** Pkt. 10c.

**Rosamond (Double Stock Flowered).** New, a pure bright rose color, holding the pure rose color until out of flower. A rare beauty. Pkt. 5c.

**Super Majestic Rose Pink.** Tremendous vigor and height of 5 foot blooms distinguish this new Larkspur. Has double rose pink flowers. Pkt. 5c.

## Leptosyne

A golden yellow daisy, blooming six weeks from date of sowing. Excellent for cutting. 12 in. **Stillmani.** Pkt. 5c.

## Linaria (Miniature Snaps)

Gold Medal Winner 1934 All-America Selections. The free flowering plants are very compact, about 8 inches in height, covered with a mass of dainty Snapdragon-like flowers in pastel shades. **Fairy Bouquet.** Pkt. 5c.

## Linum (Crimson Flax)

One of the most effective and showy bedding plants, growing to a height of 18 to 24 inches. Flowers are a brilliant scarlet. Bloom from May until October by successive sowing. Pkt. 5c.

## Lobelia (Crystal Palace Compacta)

Charming little ball shaped plants covered with a profusion of deep blue flowers. Makes an excellent plant for use in edging or bedding. Fine for pot culture. 4 in. high. Pkt. 10c.

**Mrs. Clibran.** Deep blue, white eye. Pkt. 10c.

**Hybrida Pendula Sapphire,** trailing, deep blue, white eye. Pkt. 10c.

## Lupinus (Lupine)

These garden favorites are among the most beautiful and few annuals give such a glorious display in the garden as do Lupinus. The long and graceful spikes of pea-shaped flowers make fine cut flowers. The glossy foliage makes a most charming background for the flower spikes. Blooms during July and August. Plant in partly shaded place. Height about 2 feet. **Hartwegi.** White, Blue, Rose, Mixed. Pkt. 5c.

## Marigolds Tall Varieties

These old garden favorites are of easiest culture. The French and Dwarf grow 12 to 18 inches high, while the African and other tall varieties grow 2 to 4 feet.

**Ferdinand.** Is one of the gayest of our new flowers. The single blooms have a crested center of golden yellow surrounded by a single row of mahogany-red petals. Blooms are about 1½ inches wide, plants 20 inches tall, upright and semi-compact. Does not have the strong marigold odor. Pkt. 5c.

**Mission Giant Goldsmith.** An All-America 1941 Bronze medal winner. The golden orange flowers of the chrysanthemum or Dixie Sunshine type are base branching with good stems for cutting. Blooms are double, early and free-blooming on strong bushy plants, 2 to 4 feet high. Pkt. 10c.

**Mission Giants Yellowstone.** Honorable Mention 1942 All-America Flower Awards. Bright rich clear yellow counterpart to Goldsmith, 1941 Bronze Medal Winner. Blooms radiate an unbelievable brightness. Pkt. 15c.

**Gigantea Sunset Giants.** Foliage and flowers have a definitely sweet fragrance. Flowers will average 5 inches, plants usually from 3½ to 4 feet high. Colors range from orange, yellow and primrose. Mixed. Pkt. 5c.

**Limelight.** Bronze medal winner in the 1940 A. A. S. Color pale primrose yellow or deep cream, in the early Dixie Sunshine or Chrysanthemum-flowered type. Flowers bloom early. 1½ to 2½ inches across, abundant for 8 or 9 weeks. Not odorless. Pkt. 10c.

**Early Sunshine.** Bronze medal winner in the 1939 All-America selections. A very early and dwarf strain of Dixie Sunshine, especially adapted for our northern sections. Plants about 24 inches tall and bushy, covered with lemon yellow flowers. Pkt. 5c.

**Burpees Red and Gold Hybrids (new).** The only large Red Marigold in existence. Earliest of all Marigolds, blooming less than 8 weeks from seed. Plants are 1½ ft. tall, 2 ft. wide. Flowers vary from pure golden yellow to rich mahogany scarlet, according to season. Profuse bloomers all summer. Pkt. 10c.



Crown of Gold

**Colorette Crown of Gold.** The outstanding flower and Gold Medal All-America Winner for 1937. Odorless foliage and no B. O. Fragrant flowers of orange, bloom early. Plant in full bloom has the appearance of solid orange on top with green base. Plants grow 2 ft. tall. Pkt. 5c.

**French Tall Single Flaming Fire.** Long stemmed, large single flowers, at times flaming red, at other times red and yellow. Plants 2½ ft. Pkt. 5c.

**Chrysanthemum Flowered Golden Bedder.** Another 1942 All-America Bronze Medal Winner. A very early bloomer of golden orange flowers on long stems. Fine for cutting. About 2½ ft. Pkt. 15c.

**Yellow Supreme.** Gold Medal Winner 1935 All-America Selections. A companion to the popular Guinea Gold. Flowers are a creamy lemon yellow and somewhat larger than Guinea Gold; plants 2 to 2½ feet. Pkt. 5c.

**African (Tall).** Plants grow 2½ feet high and produce an abundance of large double flowers in great profusion of glowing colors from mid-summer on. Do best in a sunny situation. Orange, Lemon, or Mixed. Pkt. 5c.



Marigold Guinea Gold

**Guinea Gold.** A carnation flowered type of Marigold that produces nearly 100 per cent semi-double flowers. Plant grows 2 to 2½ feet high on which are produced 30 to 40 flowers, 2 to 2½ inches across, of a brilliant shade of orange, flushed with gold. Practically odorless. Pkt. 5c.

## Marigold Dwarf Varieties

No. 2—1943 All-America award—see back cover.

**Sunkist.** Received second highest award in the 1943 All-America flower winners. Is an orange sport from Butterball. Dwarf plants, 6 to 10 inches high, compact, very early, continuous bloomer. Use for bedding, edging, pots. Pkt. 25c.

**Dwarf French Double Butterball.** A 1942 All-America Bronze Medal Winner. Attractive, very compact, scabious flowering, canary yellow, only 6 to 10 in. tall. Very early and continuous bloomer. Pkt. 15c.

**Dwarf Royal Scot, All Double.** 1937 All-America Flower Winner. Of dwarf French type, 12 to 15 in. tall, large and rather flat flowers, brown and gold irregularly striped. Plants of uniform height and long blooming. Pkt. 5c.



French Marigold

**French Marigold (Dwarf).** Dwarf compact plants 10 to 15 inches high, very attractive, covered with hundreds of small bright flowers of various colors. Few annuals are as effective or flower so long. Double or single mixed. Pkt. 5c.

**Dwarf French Double Melody.** Received All-America 1942 Bronze Medal Award. Grows 12 to 15 in. high and literally covered with golden yellow Harmony type flowers. Pkt. 10c.

**Spry.** Third highest award in the 1941 All-America winners. Extra dwarf, double French type; compact and uniform, fine for edging. About 9 in. tall, early blooming, with light orange crested center and maroon outer petals. Flowers freely. Pkt. 10c.

**Scarlet Glow.** A 1941 All-America. Flowers are a dwarf double, of a bronzy red color, nearly two in. across. Plants compact and about 12 in. tall. Pkt. 10c.

**Yellow Pygmy.** 1940 All-America Selection. Compact and ball-shaped plant, 8 in. tall, freely producing small 1 in. double French Lilliput flowers of light lemon-yellow. Pkt. 5c.

**Dwarf French Double Harmony.** A charming plant. The scabiosa-like formation with tubular deep orange center petals is flanked by broad velvety dark maroon-brown outer petals. Plant about 12 inches high. Pkt. 5c.

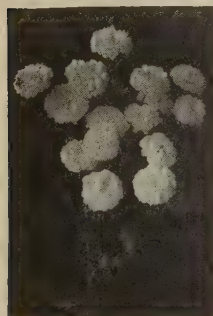
**Monarch Strain.** (Dwarf French Double.) Of compact growth, flowers in combinations of orange, bronze, yellow and mahogany. Pkt. 5c.

**Legion of Honor.** A single flowering Marigold, compact bushes 9 inches high. Flowers golden yellow, with maroon at base of each petal. Blooms from June until frost. 10 in. Pkt. 5c.

**Robert Beist.** Attractive dwarf, double mahogany-red flowers. Plant grows about 12 inches high. Pkt. 5c.



## Marvel of Peru—See Four O'Clocks



Matricaria

### Matricaria

The plant is covered with numerous and freely branching flower stems, which are literally covered with very double flowers, resembling a button Chrysanthemum.

**Capensis (Feverfew).** Small, double white flowers grow on plants 2 feet tall. Fine for cutting. Pkt. 5c.

### Matthiola Bicornis (Evening Scented Stock)

An old-fashioned little annual, with a delightful perfume which its purplish lilac flowers give out in the evening. Grows 12 inches high. Pkt. 5c.

### Mignonette Reseda

A well-known fragrant plant. Can also be grown indoors, in pots for winter use. Sowings made in April and again in July will keep up a succession of bloom from early summer until frost. Grows 10 to 16 inches high.

**Sweet Scented.** The old fashioned variety with small spikes, but the most sweetly scented of all. Pkt. 5c.

**Special Mixture Large Flowering.** Pkt. 5c.



Mignonette

### Mimulus

**Moschatus (Musk Plant).** Trailing plant for damp shady places. Fine for rockery. Small yellow flowers. 6 inches. Pkt. 10c.

**Tigrinus (Monkey Flower).** Dwarf bushy plants 1 foot high with large Gloxinia-like flowers of white, yellow, gold, pink, red and maroon. Does best in partial shade. 12 inches. Pkt. 10c.

### Nasturtium



Double Nasturtium

The maximum of bloom is produced in dry gravelly or sandy soil. Water freely until plants are established. It is best to pick the blossoms almost daily. Dwarf varieties grow to a height of 12 to 15 inches; the tall, or climbing 6 to 10 feet.

**Reliable Dwarf mixed varieties.** Pkt. 5c; oz., 10c; ¼ lb. 35c.

**Lobb's Climbing, mixed colors.** Pkt. 5c; oz. 10c; ¼ lb. 35c.

**Reliable Tall mixed varieties.** Pkt. 5c; oz. 10c; ¼ lb. 35c.

### Double Nasturtium, Sweet Scented

**Orange Gleam.** Flowers are very large, uniformly double and profusely free flowering, while the color is a deep glowing golden orange, with a deeper shading at the center. Plants are semi-dwarf, bearing the flowers well above the light green foliage on long wiry stems. Pkt. 5c; oz. 15c.

**Salmon Gleam.** Similar to Golden and Scarlet, excepting color which is a delicate golden salmon. Pkt. 5c; oz. 15c.

**Cerise Gleam.** Beautiful salmon cerise. Pkt. 5c; oz. 15c.

**Golden Gleam.** The large, golden-yellow flowers average two and one-half to three inches across. They are borne on erect stiff stems six inches in length. Pkt. 5c; oz. 15c.

**Mahogany Gleam.** Dark mahogany red. Pkt. 5c; oz. 15c.

**Scarlet Gleam.** The flowers are a fiery orange scarlet, blooms almost 3 inches across, very fragrant. Pkt. 5c; oz. 15c.

**Gleam Hybrids.** Are a collection of gorgeously colored, large double flowers of dazzling beauty in colors of salmon, golden yellow, orange scarlet, cerise, cream yellow, orange crimson, and gold flushed scarlet. Pkt. 5c; oz. 15c.

**Dwarf Double Golden Globe.** Identical in color with the popular Golden Gleam. Uniformly dwarf and compact. It is very free flowering, and the well-formed double sweet scented flowers of deep golden yellow. Pkt. 5c; oz. 15c.

**Dwarf Double Gem Mixture.** Plants are dwarf and compact, without runners. The good-sized sweet scented double flowers cover the plants in an excellent color range. A fine plant for border and edging. Pkt. 5c; oz. 15c.

### Mimosa (Sensitive Plant)

A curious and interesting annual with pinkish white flowers. Leaves close and droop when touched or shaken. 1½ feet high. Pkt. 10c.

### Nemesia

These bushy plants grow only 6 to 8 inches high but bear continuously, brilliantly colored flowers of red, orange, crimson, cream, scarlet and rose lipped with other colors. Does best in cool situation and partial shade. **Compacta.** Mixed colors. Pkt. 10c.

### Nemophila (Baby Blue Eyes)

A splendid annual 6 to 12 inches high of easy culture. Flowers all summer if planted in cool, shaded locations. **Insignis Blue.** 6 in. Pkt. 5c.

### Nicotiana (Tuberose Flowered Tobacco)

Delightfully sweet-scented, tubular flowers, blooming continually from July to October. Grows 2 to 3 feet high. Do well in partly shaded places. **Affinis.** Crimson, pink, white, red or mixed colors. Pkt. 5c.

### Nierembergia

A most charming plant, 5 to 6 inches tall, with lovely lavender blue flowers, heightened by a touch of yellow in the center. Blooms 15 weeks from seeding, until heavy frost. Likes full sun. Extremely beautiful in the rockery, window box, flower pot or border. Has a spread of 8 to 10 inches. A half hardy perennial. **Hippomanica.** Pkt. 15c.

**Purple Robe.** Received the 1942 All-America Bronze Medal Award. Flowers are several shades deeper blue or violet blue in color than the *Nierembergia Hippomanica*. About 6 in. tall. Pkt. 25c.

### Nigella (Love-in-a-Mist)

A compact free-flowering plant of feathery foliage, with curious looking flowers and seed pods of easy culture, growing well in any garden soil. It is a hardy annual, about 15 to 20 inches high. Flowers are light blue or white. Blooms all summer. **Mixed.** Pkt. 5c.



Oenothera

### Oenothera

(Evening Primrose)

Plant 1 to 2 feet high. Produce continuously large single Poppy-like flowers of rose, yellow, white, etc. Blossoms open towards evening and last well into the next day. Likes a sunny location. **Lamarckiana.** Yellow, large flowered, very showy. 1 to 2 ft. Blooms June to August. Pkt. 5c.

### Phacelia (California Blue Bell)

An attractive and easily grown annual about 8 inches high loosely branching with rich blue flowers. Blooms very early. Very effective for edgings, also a fine pot-plant. **Campanularia.** Pkt. 5c.

## Pansies

Plant in a shady situation and give plenty of moisture and fertilizer. Pick faded blooms so they do not go to seed. Plants about 6 inches high.



**PANSY CULTURE.** The seed may be sown indoors in February or March; or in spring in the open ground, in a shady, cool spot where the plant can be protected from the strong mid-day sun. Pansies should be classed more as a biennial and seed sown every year.

**Engelmann's Giant.** This early flowering giant strain contains a great variety of both dark and light shades; all of the five blotched type. Pkt. 25c.

**Swiss Giants.** The flowers are very large, borne on long stems, from early spring until frost, in a great variety of colors. Try these wonderful Swiss Giant Pansies. Finest mixed. Pkt. 25c.

**Maple Leaf Giants.** Different from other pansy types. The leaves are of giant size and the flowers up to 4 inches across, in a wide range of colors. Mixed. Pkt. 25c.

**Gould's Reliable Mixture.** Flowers of large size, good form and substance and pleasing range of shades and colors. Pkt. 10c.

**Gould's Fancy Bedding Mixture.** A mixture of many sorts which are admirably adapted for beds or borders. They are very hardy and free-blooming. Pkt. 5c.

## Phlox, Annual

**Drummondii.** For beds and massing, these beautiful annuals produce immense trusses of large brilliant flowers throughout the summer. Seed may be started indoors or sown in the open ground any time after danger of frost is past. Plants grow 12 to 15 inches high. Finest mixed. Pkt. 10c.

**Phlox, Gigantea Rosy Morn.** Bronze medal winner in the 1941 All-America Selections. A single, annual phlox of brilliant rose with white eye. Extra large flowered, pleasing color combination and an early, free bloomer. 12 inches tall. Pkt. 10c.



**Phlox Drummondii Gigantea Art Shades.** A new strain of Phlox Drummondii (winner of 1938 Award of Merit in the All-America Selections) with florets an inch and a quarter in diameter. In addition to its enormous flowers it has a most wonderful range of color in soft art shades. Plants about nine in. high. Pkt. 10c.

### Phlox Drummondii

**Gigantea Red Glory.** Honorable Mention in the 1942 All-America Selections. The color is a brilliant red with large creamy white eye; one of the richest bright reds yet produced. A free and continuous bloomer. Pkt. 15c.

**Gigantea Salmon Glory.** Awarded All-America Silver Medal in 1939. Has soft but rich salmon-pink florets with wide creamy-white eyes. Pkt. 10c.

**Starred.** Of dwarf habit with very pretty star-shaped flowers. Grows about 12 in. high. Choice mixed. Pkt. 10c.

**Nana Compacta Dwarf.** Fine for ribbon bedding or borders. The plants grow very symmetrical in neat little bushes, covered with flowers all summer and fall. Grows only 6 to 8 inches high. Mixed, all colors. Pkt. 10c.





Petunias make a fine border plant. Bloom freely far into the fall.

### Petunias

The Petunia is peerless among annuals for effective summer bedding or window boxes. It is of easy culture. Blossoms early and continues until heavy frost. No other flower produces a greater diversity of colors, or retains its freshness for so long a period.

#### Extra Selected Bedding Petunias

A superb strain of elegant, large flowers, noted for their brilliancy and variety of color.

**No. 1—1943 All-America.** See back cover. **All-Double America.** Highest award in the 1943 All-America winners. A Hybrid Nana, carnation-flowered petunia of mauve pink color. Medium sized blooms borne in abundance from early summer to frosts. Very attractive for bedding and cutting. Pkt. 50c.

**No. 3—1943 All-America—See back cover.** **Igloo.** Ranked third in the 1943 All-America flower awards. Plants uniform and compact, 12 to 15 inches tall. Has one and one-half inch, small creamy white flowers with yellowish throats in sheen of bloom. Excellent for bed or border. Pkt. 25c.

**No. 4—1943 All-America—See back cover.** **English Violet.** Fourth in the 1943 All-America flower winners. Free and continuous bloomer of 2 inch rosy mauve-violet flowers. Plants 12 to 15 inches. Pkt. 25c.

**Blue Brocade.** Highest award in the 1941 All-America flower winners. Dwarf all-double, true violet blue variety. Runs true to type and color, stock growth, fine bloomer of good sized flowers of pleasing fragrance. New and rich color in Giant Fringed type. Pkt. 35c.

**Petunia Burgundy (Grandiflora Single Plain Edged).** Received Special Mention 1937 A. A. S. A strong growing type with very showy flowers, 3½ inches across, of rich wine red, contrasting with white throat. Plants about 12 inches tall. Pkt. 25c.

#### Single Fringed

##### Dainty Lady.

The first yellow Petunia has been granted Awards of Merit in both America and Europe. The flowers are of medium size and daintily fringed, delicate light yellow deepening to golden yellow at the throat. Plants are neat, compact, semi-dwarf. 12 ins. high. Pkt. 50c.

**De Luxe Mixture** of large flowering varieties. About 18 inches. Pkt. 5c.

**Double,** choice mixed. Pkt. 25c.

**Dwarf Giant.** (Ramona strain.) Flowers beautifully ruffled and frilled. Height 10 inches. Mixed colors. Pkt. 25c.

**Single Fringed.** Ruffled edge. 14 inches. Mixed colors. Pkt. 35c.

**Double Fringed.** A very fancy mixture producing a large percentage of double. 12 inches. Pkt. 50c.

**Giants of California.** Flowers are very large with edges fringed, petals fluted and crinkled which gives a most varying range of colors. Height 12 in. Mixed colors. Pkt. 25c.



Dainty Lady.

**Giants of California Glamour.** A 1942 All-America Honorable Mention. It has a large salmon-rose flower with brown veining on while in the throat; a free and continuous bloomer. Pkt. 25c.

**Elk's Pride.** Dwarf plants, 12 inches high, with deep velvety purple flowers. Pkt. 50c.

**White Cloud.** Large flowering, plain edged, pure white, dwarf, compact, 12 inches tall. Pkt. 50c.

#### Dwarf Bedding Petunias

Very fine types of dwarf, erect growing Petunias suitable for massing, borders or window boxes. Plants 8 to 12 inches.

**Miniature Ruffled Betsy Ross.** Color is red and white, with white blending to golden and dark red throats, producing a decidedly gay effect. Flowers are 2½ inches in diameter; completely covering plant. Pkt. 25c.

**Blue.** Mid-blue. Pkt. 10c.

**Celestial Rose.** Deep rose. Pkt. 10c.

**Cream Star.** Second highest in the 1940 All-America Awards. Flowers are a soft, creamy white, bluntly star-shaped, and with a star of cream coloring on the white flowers. Pkt. 15c.

**First Lady.** A 1941 All-America. Exceptionally uniform, dwarf, large flowers with a unique and distinct color of beautiful light or blush pink in profusion, all season. Compact, 12-in. plants. Pkt. 15c.

**Crimson.** Small flowers. Pkt. 10c.

**Glow.** (Hybrid Nana Compacta.) Highest in the 1940 All-America selections. A dwarf, compact, ball-shaped plant of bright rose-red and lighter throat. It is extremely free flowering all season, true, rich coloring. Pkt. 25c.

#### Ruffled Martha Washington.

1935 All America Selection. The plants are about nine inches tall, in a perfect ball effect, covered with delicately ruffled medium-sized flowers; blush pink at the edges, deepening to dark violet in the throat, with heavy veining. Is excellent for use as a bedding, border, window box or pot. Pkt. 25c.



Petunia, Ruffled Martha Washington.

**Dwarf Rose Gem.** Given the Award of Merit in the 1936 All-America. It forms a compact plant 5 to 6 inches high and 8 inches wide literally covered with 25 to 30 deep rich rose flowers, at one time. Individual blooms are 2 inches in diameter. Splendid for bedding, rock gardens, borders and window boxes. Pkt. 10c.

**Rose of Heaven.** Brilliant rose pink. Pkt. 10c.

**Rosy Morn.** Clear pink, white throat. Pkt. 10c.

**Silver Blue.** Light blue. Pkt. 10c.

**Snow Queen.** Large, white. Pkt. 10c.

**Twinkles.** Brilliant rose, starred white. Pkt. 10c.

**Velvet Ball.** A Bronze Medal winner in the 1939 All-America Selections. Is a dwarf counterpart to the 1936 Gold Medal Winner, Flaming Velvet. Mahogany red flowers with a violet hue. Plants compact and a long season bloomer. Pkt. 25c.

**Violaacea.** Deep velvety purple. Pkt. 10c.

**Violet Gem.** A 1941 All-America selection. The miniature 1½ inch flowers of rich violet blue are deeply lobed and broadly pointed. Plants compact and only six inches tall. Fine for edging and pots. Pkt. 15c.

**Mixed Colors.** Pkt. 10c.

**Finest Mixture.** New, well balanced color range. Pkt. 15c.

### Hybrid Petunias

Plants are about 15 inches high, small flowered and extremely free blooming. Suitable for bedding, borders or window boxes.

**Blue.** Violet-blue. Pkt. 5c.

**Flaming Velvet.** 1936 All-America Gold Medal Winner. Color a rich deep, velvety crimson in the small flowering type. Outstanding for color, type and uniformity. A brilliant Petunia for bed or border. Height 15 in. Pkt. 10c.

**Genl. Dodds.** Blood-red. Pkt. 5c.

**Hollywood Star.** (Hybrid.) Awarded 1939 Silver Medal in the All-America Selections. A lovely new Petunia of rich rose color with creamy yellow in the throat. Flowers early, a very heavy bloomer until killed by frost. Pkt. 10c.

**Howard's Star.** Reddish-purple, white star. Pkt. 5c.

**Radiance.** Second in the 1941 All-America selections. A very brilliant and rich rose or cerise color with brown veined yellowish throat. Begins blooming very early and profusely; of uniform height, branching nicely. Pkt. 15c.

**Rose King Improved.** (New.) Clear rich rose with a delicate light golden throat. Pkt. 10c.

**Topaz Rose.** Fiery Rose, suffused gold, throat topaz. Pkt. 10c.

**Violaacea.** Deep violet. Pkt. 5c.

**White King.** Pure white. Pkt. 5c.

**Mixed Colors.** Pkt. 5c.

### Balcony Petunias

A splendid single flowering type for window boxes, vases, hanging baskets, etc. The flowers bloom all summer long. Trail about 15 inches.

**Balcony Rosy Morn.** (New.) This popular color of pink with white throat is still more beautiful than the bush type of the same name. Pkt. 15c.

**Black Prince.** Deep velvety red. Pkt. 15c.

**Deep Blue.** Pkt. 15c.

**Netted Blue Gem.** Steel blue veined deep violet. Pkt. 15c.

**Red.** Crimson. Pkt. 15c.

**Rose.** Rose. Pkt. 15c.

**Star of California.** Violet crimson, white star. Pkt. 15c.

**White.** Pkt. 15c.

**Mixed Colors.** Pkt. 15c.

### Poppies

Sow as early in the spring as possible, where the plants are to remain, as they will not bear transplanting. Be sure to thin out plants as they come up, to 4 to 6 inches apart. Sow at intervals to keep up a succession of bloom. As cut flowers they are short lived, but if their stems are dipped in boiling water for just one moment when cutting they will last much longer.

**Gould's Reliable Single Shirley.** A charming strain of poppies, ranging from snow-white through all the delicate tints of pink, rose, carmine, crimson, blood-red and salmon. Height 30 inches. Mixed colors. Pkt. 5c.

**Gould's Reliable Double Shirley.** Flowers are double and semi-double. Have the same wide range of colors as the Single Shirley. Height 1½ feet. Mixed colors. Pkt. 5c.



Poppy, Single Shirley.

**Tulip Poppy (Glaucum).** Large tulip shaped flowers of dazzling scarlet. Grow 20 inches high. Pkt. 5c.

**Flanders.** Single, the well-known poppy of Flanders Field. The vivid scarlet-red flowers are very showy when grown in masses. Height 2½ feet. Pkt. 5c.

**American Legion.** Beautiful large single flowers of a bright orange-scarlet color. Plants grow about 2½ feet high. Pkt. 5c.



## Portulaca (Moss Rose)

A low growing annual with thick stems and foliage; bearing brilliant colored cup shaped flowers during the entire summer. This plant is suitable for rockeries and banks and will grow and bloom profusely in a dry hot situation where other plants would fail. Plants about 6 inches high.



**Portulaca, Moss Rose**  
For Hot, Dry Places

**Single Mixed colors.** Pkt. 10c.

**Double Mixed colors.** Pkt. 10c.

**Grandiflora Double.** In colors of pink, salmon, scarlet, white, yellow, or mixed. Pkt. 15c.

**Grandiflora, Single,** large flowers, mixed colors. Pkt. 15c.

## Queen Anne's Lace Flower

An old favorite of our grandparents. Plants grow upright 2 to 2½ feet high, heavily branched, with white flowers spread out umbrella-like from each branch end. Easily grown and cut flowers last long in water. Pkt. 5c.

## Rhodanthe (Everlasting)

One of the finest and most beautiful of the Everlasting flowers. For winter bouquets, the dainty flowers will retain their brilliancy for years. 12 to 15 inches. Mixed. Crop failure in 1943.

## Ricinus (See Castor Oil Bean)

## Rudbeckia (Cone Flower)

Attractive annual of compact growth. Excellent for cutting. Golden yellow flowers with brown markings, on long stems. Grows 2 to 3 feet high. Blooms June to August.

**Bi-color Superba,** golden yellow with brown center. Height, 2 feet. Pkt. 5c.

**Starlight,** Honorable Mention in the 1942 All-America Selections. The branching plants about 3 ft. tall. Flowers fully double to single, colors primrose yellow to mahogany and bi-colors with mahogany centers; on nice long stems. Pkt. 25c.

## Salpiglossis (Painted Tongue)



**Salpiglossis**

**Tongue.** Flowers large, fancifully veined in contrasting colors. Pkt. 5c.

**Dwarf Large Flowering.** A new type of Salpiglossis, about 8 inches shorter than the spreading types. Plants are bushy and compact and flowers surpass the taller varieties in size and color combinations. **Velvety Violet.** **Blue and Silver.** **Scarlet and Gold.** **Red Star Chamolis.** **Lilac, Red Throat** **Bright Scarlet.** **Mixed.** Any of above, Pkt. 10c.

## Rock Garden Mixture

This is a fine variety of annual flowering plants suitable for Rock Gardens. A select mixture, Pkt. 5c.

## Salvia (Scarlet Sage)

A standard bedding plant 12 to 24 inches tall, that keeps the garden bright with color until late in autumn. It is especially adapted for a border in front of tall shrubs or in back of dwarf growing plants. Salvia should be started indoors and transplanted to the garden after danger of frost is past.

**Splendens.** Blooms from August until killed by frosts. The old favorite, producing scarlet flowers in summer and fall. Height about 2 ft. Pkt. 15c.



**Salvia Splendens**

## Sanvitalia (Creeping Zinnia)

An annual of dwarf, compact growth; but spreads itself over the soil instead of growing upright. Useful for rockery, edging, beds, baskets or vase. Showy, bright yellow flowers bloom all summer. **Procumbens.** 6 ins. Pkt. 5c.

## Flowering Plants

During the months of May and early June we offer daily many thousands of annual seedling flower plants.

## Scabiosa (Mourning Bride)

Commonly known as the Pincushion Plant, growing to a height of 20 to 30 inches. The flower stems are long and the blossoms keep well in water. When picked off regularly they will bloom all through the summer.

**Large Tall Double.** 2½ ft. high.

Large and greatly improved variety.

**Azure Blue.**  
**Black Purple.**  
**Cherry Red.**  
**Fiery Scarlet.**  
**Mid-blue.**

**Pure White.**  
**Reddish Black.**  
**Rose.**  
**Rosy Lilac.**  
**Salmon Rose.**  
**Yellow.**

Any of above or Mixed Colors. Pkt. 5c.

**Peace.** A 1941 All-America. The fully double white flowers are semi-tall and easier handled than the taller varieties. Flowers nearly 2 inches across on 6 to 8 inch stems. Pkt. 10c.

**Heavenly Blue.** Winner in the 1940 All-America Selections. A distinct and lovely azure-blue, very early and free flowering. Plants are dwarf, about 18 inches, uniformly bushy, with short but wiry stemmed, high crowned, double flowers. Pkt. 5c.



**Scabiosa**

**Blue Cockade.** This long stemmed and free flowering Scabiosa is outstanding. The deep azure blue flowers are almost conical in shape. Pkt. 5c.

**Giant Flowered Hybrids.** Mixed. Large ball-shaped flowers, unusual colors. About 2½ feet tall. Pkt. 5c.

**Tom Thumb Mixed.** Miniature plants, only 6 to 8 in. high. Pkt. 5c.

**New Salmon Beauty.** This new giant Scabiosa of pure salmon color is the result of 12 years of work. Pkt. 5c.

**Rosette.** A lovely new color. A beautiful shade of deep rose heavily suffused with salmon. An exquisite color for the garden and for cut flowers. Blooms are large on long, stiff stems. Pkt. 5c.

**Blue Moon.** Honorable Mention in 1939 All-America. Has no pincushion center but flowers are literally double, color a rich deep lavender blue on long stems. Plants about 42 to 48 inches in height. Pkt. 5c.



**Scabiosa Blue Moon**

Feed With  
**VIGORO**  
COMPLETE PLANT FOOD

## Schizanthus (Butterfly Flower)

A charming annual which yields an abundance of blooms on delicate fern-like stems from July to September. Very desirable for cut flowers and a nice house plant. Height 6 to 15 in.

**Excelsior Compactus.** Finest Mixed. Semi-dwarf, free flowering. 6 inches. Pkt. 10c.

**Dr. Badgers Improved Giant Flowered Hybrids.** A super strain of large flowers in a brilliant range of colors, from light pink to deep purple. The 12 to 15 inch plants have a fern-like foliage. Flowers measure about 1 inch across. Pkt. 10c.

## Snapdragons—See Antirrhinum

## Statice (Everlasting)

A very charming flower in the garden which may be cut and dried for winter bouquets. 3 ft. Mixed colors. Pkt. 5c.

## Stocks (Early Giant Imperial)



**Stocks**

**Improved Bismarks.** One of the most highly prized of our annuals. This select strain produces a high percentage of double flowers. Suitable for pots as well as the garden. The delightful fragrance, free blooming, long lasting character make them invaluable for cut-flowers. Flower from July until October. Grow 20 to 30 inches tall.

Mixed colors. Pkt. 10c.

## Sweet Peas—See next page

## Sweet William (Annual)

The plants are of the same type and habits as of the old perennial kinds, but this annual variety will bloom the first year from seed. The flowers are very similar to the older sorts, having a variety of colors and very fragrant. 15 to 20 inches. Mixed colors. Pkt. 5c.

## Tagetes (Single Dwarf Marigolds)

Dwarf, compact, bushy annuals of the Marigold family, with beautiful fern-like leaves, densely covered with flowers of bright orange and golden yellow, which flower from June until frost. A fine plant for the border or rockery, also potting.



**Tagetes Gnome**

**Signata Pumila Gnome.** The newest of the popular Tagetes family of Miniature Marigolds. Plants are only 6 in. high, covered with golden yellow flowers all summer. Pkt. 5c.

**Signata Pumila.** Bright orange flowers covering the small bushy plants all summer. A lovely plant, 10 in. Pkt. 5c.

**Signata Pumila Little Giant.** A new strain, very dwarf plants, only 4 to 6 inches high and a spread of 8 to 10 inches, with an abundance of dainty single golden orange flowers. Pkt. 5c.



## Sweet Peas

Sweet Peas are one of the most fascinating flowers of all garden annuals. The blooms, with their long wiry stems, delicate fragrance, and great variety of fascinating shades, have a grace and individuality for table decorations.

### How to Grow Fine Sweet Peas

We can all grow fine Sweet Peas with lovely long stems if we will observe a few simple rules.

First—Good seed. Second—Rich soil, deeply dug. Third—Early sowing. Fourth—Early staking. Fifth—Frequent fertilization to insure healthy, rapid and continuous growth. Sixth—Keep soil loose and porous.

Select an open sunny spot in the richest part of the garden and then apply a thick layer of pulverized sheep manure 18 inches wide. Remember that Sweet Peas are deep rooting plants so that the soil must be deeply and thoroughly worked. Spade the sheep manure in as deep as the fork will go and turn the soil over three or four times so that the manure becomes thoroughly mixed with it, then level, and your bed is ready for planting. Sow in double rows, that is, open two drills about 8 to 10 inches apart and 4 to 5 inches deep and scatter the seed liberally, but not too thick (about one ounce to 15 running feet), then cover. The support for the plants to climb on is placed in the center of the two rows and should be in place by the time the plants are 2 inches high.

Success with Sweet Peas necessitates a rapid, healthy and vigorous growth during the cool weather of April and early May. An application of Vigoro about May 1 will help the plants to get their growth during this cooler weather.

Sweet Peas require sufficient plant food at all times, and you will find that a top dressing of sheep manure, Vigoro or bone meal applied regularly every two weeks and hoed in will help produce strong healthy vines.

### Prices on Sweet Peas

All varieties except Spring Flowering: Pkt. 5c; 1 oz. 15c; 2 oz. 25c; ¼ lb. 45c; 1 lb. \$1.60.

#### Blue

**Amethyst.** Bright, clear blue, large.  
**Commander Godsall.** Attractive navy blue. Flowers large, waved and fluted.  
**Gleneagles.** Light blue.  
**Heavenly Blue.** Delphinium blue.  
**Jack Cornwell.** Dark violet blue.  
**Ruffled Blue.** Mid-blue.

#### Cerise

**Ruffled Crinkles.** Cerise pink.  
**Fiery Cross.** Bright orange cerise.  
**Ruffled Exquisite.** Salmon cerise.

#### Cream

**Daffodil Improved.** Large rich deep cream, exquisitely frilled and waved.  
**Dobbie's Cream.** Deep cream.  
**Mastercream.** Deep cream.

#### Crimson-Scarlet

**Campfire.** Vivid scarlet.  
**Captain Blood.** Brilliant blood scarlet, veneered copper.  
**Charity.** Brilliant crimson.  
**Derby Day.** Sparkling crimson.  
**Huntsman.** Bright scarlet.  
**Ruffled Crimson.** Rich velvety crimson.  
**Sybil Henshaw.** Rich crimson.  
**Welcome.** Dazzling scarlet.

#### Lavender-Mauve

**Austin Frederick Imp.** Giant lavender.  
**Chieftain.** Pure satiny mauve.  
**Highlander.** Clear lavender.  
**King Mauve.** A very pleasing shade of deep mauve. Of immense size.  
**Powerscourt.** Fine lavender of mammoth size. A lovely variety.  
**Ruffled Mauve.** Pure mauve.

#### Maroon

**Splendour.** Giant red maroon.  
**The Sultan.** Black velvety maroon.

## Orange

**Gold Crest.** Orange tinted salmon.

**Guinea Gold.** Golden orange.

**Improved Tangerine.** Color almost a tangerine orange tint.

**Royal Sovereign.** Pure orange.

Orange shades of Sweet Peas should be shaded from strong sunshine to retain their rich color.

## Picotée

**Gloria.** Cream, picotée edged rose.

**Youth.** White, edged rose pink.

## Pink

**Aristocrat.** Clear pink.

**Fluffy Ruffles.** Light cream-pink.

**Hercules.** A magnificent pure pink.

**Miss California.** Salmon cream-pink.

**Picture.** Color is a blend of cream and pink shades, having a deeper flush on the wings, exquisitely frilled.

**Pinkie.** Large rose-pink.

**Rosie.** Deep rose-pink.

**Ruffled Rose.** Soft rich rose.

## Purple

**Royal Purple.** Very rich and warm purple; having a slightly softer color tone; early. Flowers are large.

**Ruffled Purple.** Rosy purple.

## Salmon

**Melody.** Golden salmon pink.

**Smiles.** Salmon Shrimp pink.

## White

**Avalanche.** Glistening white.

**Burpee's Giant White.** One of the most perfect white Sweet Peas produced.

**Gigantic.** Pure white.

**King White.** Noted for the glistening purity of the whiteness.

**Ruffled White.** Extremely ruffled.

**Gould's Reliable Mixture Sweet Peas.** Is composed of a special selection of varieties to produce a harmony of colors that is rarely offered in mixtures.

**Sweet Pea, Spring Flowering, Rose-Pink.** Silver medal winner in the 1940 A. A. S. A new type maturing between the early or summer flowering classes. Rose-Pink is taller, with longer stems. Prolongs the greenhouse season. Outdoors, they are very free bloomers and more heat-resistant than other types of Sweet Peas. Flowers are large, wavy, rose-pink on white ground. Pkt. 10c.

**Sweet Pea, Spring Flowering, Blue.** Received bronze medal in the 1940 A. A. S. Similar in type, growth and blooms to Rose-Pink, except in its medium marine blue color. Pkt. 10c.

**Sweet Pea, Spring Flowering, Lavender.** Honorable mention in the 1940 A. A. S. While not as popular a color as Rose-Pink and Blue, in this new class, it will be welcomed to help fill the color range, of these early, long stemmed flowers in the garden. Pkt. 10c.

**Spring Flowering. Mixed Colors.** Pkt. 10c.



Inoculate seed with Nitragin. Makes a nuer, more vigorous and healthier Sweet Peas. Garden size, postpaid 12c.

## Thunbergia (Black Eyed Susan)

A beautiful, rapid-growing annual climber. Used extensively in hanging baskets, vases, etc., and to cover low fences. Can be used in the rockery as it will trail over the ground, forming a dense mat of foliage and trumpet shaped flowers. Color range through all shades of yellow, orange, buff, to pure white with dark centers. Will grow 5 feet. Finest mixed. Pkt. 5c.



Thunbergia.



Tithonia.

## Tithonia

(Mexican Sunflower)

An odd plant growing 5 to 7 feet high, that throws up from the root many stout, woody stalks like the Dahlia, with large foliage. The dazzling orange-scarlet flowers resemble the single Zinnia. **Speciosa.** Orange - vermilion. Pkt. 5c.

## Torenia (Wishbone Flower)

Bushy plants 10 inches high covered with lovely, rich colored snapdragon-like flowers of sky blue with a touch of gold on the tip. Fine for beds, pots, or hanging baskets. **Fournieri.** Pkt. 10c.

## Venidium

Produces long daisy-like flowers similar to the African Daisy, of deep orange, apricot, cream, white, yellow or salmon colored flowers 4 to 5 inches across marked at center with a reddish-brown zone. Plants grow 2 to 3 feet. **Fastuosum.** Hybrids. Pkt. 10c.

## Verbena



Verbena.

The Verbena is one of the most popular garden annuals. Verbenas are particularly fine for beds, borders, window boxes, or as an undergrowth to tall plants. The sweetly scented flowers are borne in large clusters and bloom profusely from mid-summer until late in autumn. Plants 12 inches high. **Hybrida Grandiflora.**

Blue, white eye. Dark Blue, cream eye.  
Salmon Cerise. eye.  
Flame Pink. Scarlet.  
Red, cream eye. Violet, white eye.  
Rose pink, white. White.  
eye. Mixed colors.

Each of above. Pkt. 5c.

**Blue Sentinel.** Bronze Medal winner in the 1939 All-America Selections. Plants compact 10 to 12 inches high, flowers a rich navy blue self color held erect above foliage. Fine for cutting and dark beds. Pkt. 10c.

**Crimson Glow.** Flowers are pure glowing crimson, wholly without even a small light eye. Pkt. 5c.

**Beauty of Oxford Hybrids.** Shades from rose pink to rose red. Pkt. 5c.

**Lavender Glory.** New, lavender medium creamy eye. Pkt. 10c.

**Hybrida Compacta Erecta.** A distinct new type of Verbena, very compact, dwarf. **Fireball.** Brilliant crimson. Pkt. 10c.

**Erinoides (Moss Verbena).** Produces a mass of moss-like foliage above which are borne heads of purplish-blue or white blossoms. Flowers from June until frost. 12 in. Pkt. 5c.

**Venosa.** This variety is largely used for bedding purposes. Strong thrifty grower and covered with bright purplish heliotrope flowers from early summer until late fall. 1 foot. Pkt. 5c.

## Vinca Rosea (Periwinkle)

Ornamental free-blooming plants with light green shiny foliage, and handsome pink and white flowers. May be taken up in fall and potted and kept in bloom through the winter. Sow seed indoors early, or in the open when ground is warmed up. Grow 12 to 15 inches high. Mixed. Pkt. 5c.





**Fantasy Zinnia.**

### Violas (or Tufted Pansies)

Resembling miniature pansies or violets. Do well in sun or shade and flower from early summer until frost. Splendid for border or rockery. Height, about 6 inches.

**Apricot.** Beautiful rich apricot shade, center tinged orange. Pkt. 15c.

**Jersey Gem.** Short, bushy growth, blooming throughout the summer, having flowers of rich pure violet, large and fragrant. Long stems make it a good cut flower. Pkt. 25c.



**Johnny-Jump-Up.** Plants are easily raised from seed and come into bloom quickly. Their little pansy faces of purple, blue and yellow are delightful. Will reseed themselves. Pkt. 15c.

**Violas. White Perfection.** One of the finest whites. Pkt. 10c. **Finest mixed.** Pkt. 10c.

### Virginia Stock

These fragrant little flowers are only 6 inches tall, but sown early, will give you a lot of color between the spring and summer flowers. Mixed. Pkt. 5c.

### Wallflower (Goldlack)

Their adaptability for pot culture and outdoor bedding and the peculiar sweet fragrance of their flowers should win favor. Easily grown and last long as cut flowers. Bloom in July and August. Plants about 18 in. high. Single or double, mixed. Pkt. 5c.

### Wild Cucumber Vine (Echinocystis)

The quickest climber known for covering verandas, houses, trellises and arbors. It will withstand the heat and drought and retain its fresh green color until frost. Has white, fragrant flowers. Height, 15 to 20 ft. Pkt. 5c.

### Wild Garden Annual Flower Mixture

The easiest and surest growing annuals that will produce an abundance of flowers for cutting. Pkt. 5c, 1 oz. 15c, 2 oz. 25c, ¼ lb. 35c.

### Xeranthemum

Another of the Everlastings. The flowers are small, but very double and come in shades of white, pink and purple with silvery foliage. Very desirable for drying and winter bouquets. Height, 18 to 24 inches. Pkt. 5c.

## Zinnias

Zinnias are one of the most desirable and lovely flowers in the garden. They grow well in partial shade but like most flowers do best in a sunny location. The seed may be planted in the garden from May 1st to June 1st, and when the plants are 2 or 3 inches high they should be thinned out to 12 or 15 inches apart. If earlier blooms are wanted the seed may be started indoors and transplanted to the open garden from May 15th to June 1st. Flower from early summer until frost.

### FANTASY

Given Award of Merit 1935 All-America Selections. Color of flowers range through shades of red, yellow and orange as well as the popular pastel pinks and cream. Plants 2½ to 3 feet. Mixed. Pkt. 10c.

**Fantasy, White Light.** 1939 All-America Selections. About as pure white as a Zinnia comes, on 2½ to 3 ft. bushy plants. Pkt. 10c.

**Fantasy, Wildfire.** A rich dazzling scarlet. Pkt. 10c.

**Fantasy, Star Dust.** Second in the 1937 All-America winners. Flowers are a rich deep golden yellow. The 2 to 3-foot plants bloom in about 45 to 50 days from planting. Pkt. 10c.

**Fantasy, Melody.** A charming new color in Zinnias—a most intriguing rich orchid lavender. Pkt. 10c.

**Fantasy, Rosalie.** A lovely intense rose. Pkt. 10c.

### Tall, Large Flowered Zinnias

#### GIANT DAHLIA FLOWERED. 2½ TO 3 FEET

**Canary Bird.** Rich canary yellow.

**Crimson Monarch.** Largest of the red.

**Dream.** Deep rosy lavender.

**El Dorado.** Salmon apricot.

**Exquisite.** Light rose, center deep rose.

**Golden Dawn.** Golden yellow.

**Golden State.** Rich orange yellow.

**Illumination.** Deep rose, self color.

**Luminosa.** Bright deep pink.

**Meteor.** Rich deep red, very large.

**Old Gold.** Various shades of old gold.

**Old Rose.** Real old rose shade, large.

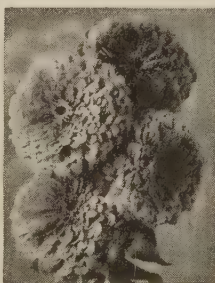
**Oriole.** Orange and gold bicolor.

**Polar Bear.** Very large, creamy white.

**Purple Prince.** Deep purple, large.

**Scarlet Flame.** Bright scarlet.

**Each above or mixed colors.** Pkt. 5c; 1/16 oz. 15c; ¼ oz. 20c; ½ oz. 30c.



**Dahlia Flowered Zinnia.**

**Will Rogers, Dahlia Flowered.** Dedicated to the memory of Will Rogers, the large flowers of glowing intense scarlet, attract and arrest attention anywhere. Pkt. 5c.

**California Giant or Mammoth.** 3 to 4 feet. Mixed colors. Pkt. 5c; 1/16 oz. 15c; ¼ oz. 20c; ½ oz. 30c.

**Dahlia Flowered Royal Purple.** Honorable Mention 1942 All-America Selections. The deep reddish purple tones of Royal Purple are a charming reminder of the soft velvet of regal robes. Pkt. 5c.

**David Burpee.** The flowers have curled and quilled petals, similar to chrysanthemums, up to 6 inches across and 4 to 5 inches deep. Colors run to pastel shades and blendings of 2 or 3 colors. Plants 3 feet. Pkt. 10c.

**Howards Giant Crested.** Striking new large flowered cutting Zinnia, produced by crossing Dahlia Flowered and Scabiosa types. A gorgeous new strain you should grow in your garden. Mixed colors. Pkt. 5c.

### SCABIOUS FLOWERED MIXTURE

Plants 2 to 2½ feet high, flowers resemble Annual Scabiosa. Colors include crimson, scarlet, orange, yellow pink and white. Mixed colors. Pkt. 5c.

### GAILLARDIA FLOWERED

**Navajo.** Flowers are very attractive, about 2 inches in diameter. Plants about 2 feet tall. Colors: Rose, pink, bronze, yellow, orange, lavender and combinations of these colors. Mixed. Pkt. 5c.

### PUMILA PICOTEE DELIGHT

Flowers medium, petals curled, with picotee markings. Plants 2 to 2½ feet. Finest mixed. Pkt. 10c.



**Scabious Flowered Zinnia.**

### CROWN O'GOLD

An outstanding novelty among Zinnias. Each petal is overlaid with a deep golden yellow at base, while carrying out the individual flower color at tip.

**Desert Gold.** A new introduction containing the light and deep hues of gold. Plants 2½ to 3 ft. Pkt. 5c.

### Dwarf, Small Flowered Zinnias

**Zinnia, Black Ruby.** A 1941 Bronze medal winner in the All-America selections. Flowers a deep velvety maroon on long stems. Plants 18 inches tall of the Lilliput or Pompon type. Pkt. 5c.

**Linearis.** A dwarf, compact, early flowering Zinnia, only 8 to 10 inches high with a spread of as much as 2 feet. The single flowers are a deep golden orange with a delicate light yellow stripe with dark center. Pkt. 10c.

**Lilliput Pastel Mixture.** Dwarf compact plants, 12 to 15 inches in height. Mixture includes soft shades of apricot, peach, yellow, pink, salmon, rose and orchid. Mixed colors. Pkt. 5c.

**Imp. Lilliput.** These plants form little bushes and are covered with tiny short stemmed very double flowers. Bloom all summer until late in the fall. Fine for borders. Grow 12 to 15 inches high. Canary Yellow, Crimson, Golden Orange, Rose Pink, Salmon Rose, White, Scarlet, Burnt Orange, Lilac, Purple or mixed. Pkt. 5c; 1/16 oz. 15c; ¼ oz. 20c; ½ oz. 30c.

**Lilliput Dainty Gem.** A new gay and fascinating bicolored button-like blossoms of bright rose pink at center and lighter pink at outside. Pkt. 10c.

**Red Riding Hood.** Grows but a foot high, of compact form and covered the entire season with double, intense scarlet flowers. Fine for border. Pkt. 5c.

**Early Wonder.** A new race of dwarf, early flowering Zinnias, producing masses of flowers on long stems. Especially recommended for cut flowers. Deep Orange, Fiery Salmon, Cerise Pink, Rose Pink or Mixed. Pkt. 10c.

**Tom Thumb.** Plants are only 4 to 6 inches high, compact, covered with red, orange, yellow, pink, rose and other pastel shades. Excellent pot plant. Mixed colors. Pkt. 5c.



**Haageana Dwarf Zinnia.**

mixed colors. Pkt. 5c.

**Haageana (Mexican Hybrids).** These small double flowers are fine for bedding yet have stems long enough for bouquets. Mixed colors. Pkt. 5c.

**Pumila Double (Cut and Come Again).** Plants are 12 to 18 inches high, flowers 2½ to 3 inches in diameter. Early, fine for cut flowers. Canary yellow, salmon rose, scarlet, white, rose pink or



# PERENNIAL FLOWER SEEDS

**CULTURE.** The seed bed must be well drained, fine and firm. If the soil is at all heavy lighten with sand. The seed may be planted from May to early July. When seedlings have two pair of leaves transplant into rows a few inches apart each way, and later when they begin to crowd transplant a second time. This involves extra work but is necessary to raise sturdy plants. Keep them partly shaded all summer. In August or September, if well developed, they may be placed in their permanent locations where they are to blossom the following year, or left in the seed beds for early spring transplanting.

**BIENNIALS.** Some varieties if planted early will bloom the first year, but most bloom the second year and die.

**PERENNIALS.** Many varieties bloom the first year, but usually they start the second year and live indefinitely, excepting that they die down in winter and come to life again in the spring.

**SPACING.** A safe rule is to plant perennial plants one-half the ultimate height, apart. Do not crowd plants.

**CULTIVATION.** Use the hoe freely in keeping the ground well cultivated all summer long. You will be repaid with stronger plants and more beautiful flowers.

**WINTER PROTECTION.** It is best to cover young plants the first winter with marsh hay or similar mulch along in November, before real cold weather sets in. Most perennials need no winter covering after they have become established, but some, like Oriental Poppies, Shasta Daisies, Tritoma and Iris ought to have a winter covering in late November, here in the Northwest. Remove covering gradually in the spring.

## Achillea

One of the best hardy perennials. Grows about 2 to 2½ feet high, blooms from spring until frost. Is covered with deep rose or white double flowers. Flowers resemble Pompon Chrysanthemums. If seed is planted early, it will bloom the first year.

**Kelwayi Rosea.** Crop failure. No seed available.

**The Pearl, Double White.** Pkt. 10c.

## Aconitum (Monk's Hood)

Hardy Perennials with showy blue spikes of hood-shaped flowers. Valuable for planting in shady beds or borders. 3 to 4 feet. Crop failure. No seed available.

## Agrostemma (Coronaria)

Stout, erect-growing plants with silvery foliage, which contrasts well with the showy bright rose - crimson flowers, produced during June and July. Grows 2 feet high. Fine for border or rockery. **Atro-sanguinea.** Pkt. 10c.



Agrostemma

## Alyssum Saxatile (Basket of Gold)

Has masses of bright yellow flowers. After the blooming season is over the seed pods may be used in everlasting bouquets. Grows 8 to 12 inches high. Pkt. 10c.

## Anchusa (It. Dropmore Variety)

Blue, large, forget-me-not-like flowers. Very fine for the back of the perennial border or for a screen. Grows 4 to 5 feet high, blooms in June and July. Pkt. 10c.

**Myosotidiflora.** Lovely forget-me-not blossoms of pale blue in May. Only 12 inches high. Pkt. 25c.

## Anthemis (Hardy Marguerite)

Grows about 12 to 15 inches high, bearing in profusion, daisy shaped, yellow or white flowers, that blossom in July and August.

**Kelwayi.** Golden yellow. Pkt. 10c.

## Aquilegia (Columbine)

Charming hardy perennial plants growing from 12 inches to three feet high, bearing in countless numbers through May and June their exquisite blossoms of clear blue, white, rose, lavender, yellow and purple. For planting in permanent borders along woods or shrubbery they are unsurpassed. Fine for the rockery.

**Coerulea** (Rocky Mountain Columbine). A lovely combination of blue and white. Blooms May to July. Plants 1 to 2 feet. Pkt. 10c.



Aquilegia

## Arabis Alpina (Rock Cress)

Plants are spreading, only 12 inches high, with pure white flowers in spring. Pkt. 10c.

## Armeria

A pretty border or rock garden plant that does well even in poor soil. Foliage is grass-like, above its base numerous stiff stems carry little globe-shaped flowers in early summer. Perfectly hardy. Height 6 to 24 inches.

**Formosa Large Flowering Hybrids.** 24 inches tall. Pkt. 10c.

## Asters

Single fall-flowering hardy herbaceous plants thriving in any good garden soil producing masses of dainty and brightly colored blossoms. Dwarf varieties bloom in late spring and early summer; tall varieties in late summer and fall.

**Amellus Hybrids.** Early. Height 2½ feet. Pkt. 15c.

**Michaelmas Daisy.** Newest varieties mixed. Plants 3 feet high. Pkt. 15c. **Alpine.** Dwarf plants 6 to 10 inches high with large showy bluish-purple flowers with yellow centers. May-June. Pkt. 15c.

## Aubrietia (Rainbow Rock Cress)

Showy and beautiful creeping plants, about 6 inches, for borders or rockeries. Flowers of violet, crimson and rose form a solid mass of color for weeks. Blooms in April and May. Pkt. 10c.

## Bellis (English Daisy)

They are semi-hardy and thrive best in a cool, shady place, but do well in almost any soil. Admirably adapted for edgings, borders and low beds, will bloom for years if given winter protection. Height 6 to 8 inches. Mixed colors. Pkt. 15c.

## Catananche (Cupid's Dart)

Flowers pale violet with dark center. Grows 12 to 18 inches high. A very nice border plant and everlasting flower. **Coerulea.** Pkt. 10c.

## Centaurea (Bachelor Button)

The flower resembles the annual Cornflower. **Montana.** Deep blue. Pkt. 10c.

## Cerastium (Snow in Summer)

A pretty perennial plant for edging and rockery. Foliage is silvery and hairy; flowers white, covering plant completely in June. 6 inches. Pkt. 10c.

## PERENNIAL PLANTS

We carry a complete variety of plants during the Spring Season. Drop in and see our fine assortment.

## Campanula

Well known beautiful hardy herbaceous perennials and biennials bearing a great profusion of attractive bell-shaped flowers, thriving best in light, rich soil. Tall varieties are fine for cutting. Heights vary from 9 in. to 5 ft.

**Canterbury Bells** (*Campanula Medium*). Grow about 3 feet high and produce single or double bell-shaped flowers in blue, white, purple and pink colors. Single or Double Mixed Colors. Pkt. 10c.

**Cup and Saucer type** (*Campanula Calycanthema*). In this variety the outer petals form a brim, like a saucer. 2 ft. dark blue, light blue, rose, white or mixed. Pkt. 10c.



Campanula Medium

**Carpatia** (*Harebell*). A pretty variety only 9 inches high, producing clear blue flowers on erect wiry stems from June until September. Fine for edging or rockery. Does well in partial shade. Pkt. 10c.

**Persicifolia** (*Peach Bells*). Blue flowers on 2-3 ft. plants, bloom in June and July. Pkt. 10c.

## Hardy Carnation

A large flowered, long stemmed, hardy carnation of merit. Plants 2 feet. **Teicher's Mixed.** Pkt. 25c.

## Coreopsis



Sunburst Coreopsis.

Bloom early and make an excellent cut-flower. Easy to grow. Pkt. 10c.

**Double New Gold.** (New). Fine golden yellow. Pkt. 10c.

A hardy perennial about two feet high that produces an abundance of large, daisy shaped flowers on long stems. One of the best perennials for cut flowers.

**Lanceolata.** Single. Pkt. 10c.

**Double Sunburst.** The fully double flowers are 1½ to 2 inches across, deep golden yellow.

"The Northern Garden Week by Week," by Daisy T. Abbott. Here is a book by this well-known author with simple and easy to follow directions for the busy person. You will enjoy this book and your gardening will be made so much easier and enjoyable. Price, 75c.

## Daisy, Shasta

**Alaska.** A hardy perennial bearing large pure white flowers, in great profusion on long stems, making it fine for cut flowers. Blooms all summer. Height 24 to 30 inches. Pkt. 10c.

**Shasta, Conqueror.** Flowers as large as Alaska on stems 2 to 3 ft. Pkt. 10c.

**New Giant Double White.** Double flowers ranging through semi-doubles to a type though single, forms beautiful large flowers with curled, quilled petals. Height, 2 to 3 ft. Pkt. 25c.



# PRICE LIST SUPPLEMENT TO CATALOG

Issued February 5, 1943

Prices Subject to Change Without Notice.

## STATE OF MAINE SEED POTATOES

Prices Will Be Given Later

### FERTILIZERS

**FERTILIZER ANALYSIS:** First number indicates Nitrogen;  
2nd, Phosphoric Acid; 3rd, Potash.

	5 lbs.	10 lbs.	25 lbs.	50 lbs.	100 lbs.	500 lbs.	1 ton
Swift's Vigoro, 3-8-7	\$0.50	\$0.80	\$1.50	\$2.50	\$4.00		
Armour's Garden & Lawn, 4-8-6	.45	.75	1.25	2.10			
Milorganite, 6-3-0	.50	.75	1.20	1.90	3.00	14.50	46.00
Urea, 46-0-0	.90	1.50	3.25	5.75			
Steamed Bone	.50	.85	1.35	2.35	4.00	19.50	75.00
Raw Bone, 4-24-0	.60	1.00	1.65	2.75	4.60	25.00	85.00
Rose Grower Bonemeal	.60	1.00	1.65	2.75	4.60	25.00	85.00
Sheep Manure	.35	.55	.95	1.60	2.75	13.00	50.00
Cattle Manure	.35	.55	.95	1.65	2.85	13.00	50.00
Poultry Manure	.40	.65	1.25	2.00	3.50	16.50	63.00
Ammo. Phos. 16½-20-0	.60	1.00	2.00	3.50			
Ammonia Sulp. (Kopp.)							
Nitrate of Soda	.45	.85	1.50	2.50	4.50		
Sulphate of Potash	.50	.90	1.60	2.75	5.00		
Muriate of Potash	.45	.85	1.50	2.50	4.00		
Hoof Meal	.60	1.00	2.00	3.00	5.65		
Blood Meal	.85	1.50	2.50	4.50	8.40		
0-9-27—Potatoes in Peat	.50	.75	1.25	1.85	3.25		
0-12-12	.50	.70	.95	1.60	2.75		
0-10-20—Onion & Cab- bage in Peat	.50	.75	1.25	1.85	3.25		
0-20-10 (Used with Manure)		.75	1.25	1.85	3.25		
0-20-20—Onion & Cab.	.50	.85	1.35	2.00	3.75		
0-20-0—Super Phosphate	.40	.65	.85	1.35	2.25		
Hardwood Ashes	.40	.60	.95	1.65	3.09		
Pulverized Limestone	.30	.45	.55	.65	1.00		
Gypsum or Land Plaster	.25	.35	.50	.75	1.20		
Hydrated Lime	.25	.40	.55	.75	1.50		
Soot	.60	1.00	2.40	4.50	8.00		
Borax	.50	.75	1.50	2.50	4.50		

### SALT

Table, Plain	10 lbs. 25c; 25 lbs. 45c; 100 lbs. \$1.30
Table, Iodized	10 lbs. 40c; 25 lbs. 75c; 100 lbs. 2.25
Water Softener, A Kleer, 100 lb. bag	1.30
CC Rock, Ice Cream, Sidewalk, 100 lb. bag	1.25
FC Coarse, Stock or Hay, 100 lbs.	.90
White Cattle, 50-lb. block, each	.60
Iodized, 50-lb. block, each	.90
Sulphurized, 50-lb. block	.90
Epsom Salts, for stock or poultry, per lb.	5 lbs. .35







# Gould's Special Field Seed Price List

Issued February 5, 1943

## PLEASE NOTE

This price list cancels all prices on any previous issue of the price list, on the same items. We reserve the right to forward seed to the value of the money sent us, according as the market is higher or lower. Prices quoted include free delivery to any railway station in St. Paul. If Field or Grass Seeds or other items not marked prepaid are wanted by Parcel Post, please add postage.

# R. L. Gould & Co.

SEEDSMEN SINCE 1898

496-502 Jackson Street, St. Paul, Minn.

Due to present conditions over which we have no control, all prices in this price list are subject to change without notice.

## DISCLAIMER

R. L. Gould & Co. do not give and their agents and employees are forbidden to give any warranty, express or implied, as to the description, quality, productiveness, or any other matter of any seeds, bulbs or plants they send out, and they will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned and money paid for same will be refunded.

## ALFALFA

150 lbs. per bag  
60 lbs. to the bushel

	Lbs. per acre	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Grimm Canadian Reg.	12	85c	\$10.00	\$19.50	\$37.00	\$59.50
Canadian Variegated	12	80c	9.00	17.50	34.00	55.00

## CLOVERS

150 lbs. per bag  
60 lbs. to the bushel

	Lbs. per acre	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
MEDIUM RED Northland	8	60c	\$6.00	\$11.50	\$22.00	\$35.75
MAMMOTH RED CLOVER Northland	8	60c	6.00	11.50	22.00	35.75
ALSIKE OR SWEDISH CLOVER Sterling	8	60c	6.50	12.00	23.00	37.50
WHITE OR DUTCH CLOVER Reliable	8	1.15	14.50	28.00	55.00	90.00
SWEET CLOVER (Tall) Northland	14	35c	2.65	5.00	9.75	15.75
SWEET CLOVER—YELLOW BLOSSOM Northland	15	35c	2.65	5.00	9.75	15.75

## TIMOTHY

-45 lbs. to the bushel

	Lbs. per acre	1 lb.	10 lbs.	1/2 bu.	1 bu.	100 lbs.
TIMOTHY	10	30c	\$1.45	\$2.35	\$4.25	\$8.75
TIMOTHY AND ALSIKE MIXED Reliable (20% Alsike)	12	35c	1.75	4.00	7.25	14.00

## MISCELLANEOUS GRASS SEEDS

	Lbs. per acre	1 lb.	10 lbs.	25 lbs.	100 lbs.
Kentucky Blue Grass.....	20	Please Ask For Quantity Prices			
Red Top .....	10	Please Ask For Quantity Prices			
Astoria Bent .....	..	Please Ask For Quantity Prices			
Seaside Bent .....	..	Please Ask For Quantity Prices			
Domestic Rye Grass.....	28	Please Ask For Quantity Prices			
Meadow Fescue .....	25	.60	4.50	10.00	35.00
Sheep Fescue or Chewings .....	20	1.35	9.50	16.00	55.00
Poa Trivialis .....	20	1.50	13.00	30.00	110.00
Orchard Grass .....	28	.65	5.00	11.00	40.00
Bromus Inermis .....	28	.45	2.50	5.00	16.50
Reed Canary Grass .....	5	.65	5.00	10.00	35.00
Crested Wheat Grass .....	12	.45	2.50	5.00	16.50

## MISCELLANEOUS FIELD SEEDS

	1 lb.	5 lbs.	10 lbs.	25 lbs.	100 lbs.
Sand or Winter Vetch	35c	\$1.00	\$1.75	\$3.50	\$12.50
Sunflower, Mammoth Russian	25c	.90	1.60	3.75	13.00
Sudan Grass	25c	.65	1.10	2.75	7.75
Dwarf Essex Rape	35c	1.10	2.00	4.50	15.00

## SEED GRAIN

5 Bushels or more, 10 cents per bushel less.

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
OATS					
Gould's Anthony, Med. Ey.	32	15c	\$ .45	\$ .75	\$ 1.35
N. K. & Co.'s Lincoln	32	15c	.50	.80	1.45
Vieland Early	32	15c	.60	1.00	1.90
Gopher Type	32	15c	.45	.75	1.35
Vanguard	32	15c	.60	1.00	1.85

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
BARLEY					
Wisconsin No. 38, Barbless	48	15c	\$ .55	\$ .95	\$ 1.75

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
SPELTZ					
Speltz or Emmer	40	15c	\$ .50	\$ .85	\$ 1.35

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
RYE					
Spring					Ask for Price
Rosen Winter	56	15c	.50	.80	1.45

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
WHEAT					
Marquis Type Spring	60	15c	\$ .75	\$ 1.25	\$ 2.35
Rival Type N. D. Grown	60	15c	.75	1.25	2.35

	Lbs. per bu.	1 lb.	1/4 bu.	1/2 bu.	1 bu.
FLAX					
Bison Type Blue Tag	56	15c	\$ 1.25	\$ 2.35	\$ 4.50

## FIELD PEAS AND FIELD BEANS

60 lbs. to the bushel

	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Canada Yellow Peas	20	\$1.35	\$2.50	\$4.75	\$7.50
Soy Beans, Manchou	15	1.15	2.00	3.90	6.25
Soy Beans, Richland	20	1.35	2.50	4.85	7.75

## BUCKWHEAT

50 lbs. to the bushel

	1 lb.	1/4 bu.	1/2 bu.	1 bu.	100 lbs.
Japanese	15c	\$ .85	\$ 1.50	\$ 2.75	\$ 5.25



# PRICE LIST SUPPLEMENT TO CATALOG

Issued February 5, 1943

Prices Subject to Change Without Notice.

## ONION PLANTS

Prices Will Be Given Later

## ONION SETS

Prices Will Be Given Later

## FIELD CORN, HYBRID & OPEN

These quotations are F. O. B. St. Paul. All corn offered subject to stock remaining unsold.

### FIELD CORN—HYBRID

	1 lb.	¼ bu.	½ bu.	1 bu.
Hybrid Flat, 100 Day Ks.....	35c	\$2.50	\$4.65	\$8.50
Hybrid Flat, 95 Day A.....	35c	2.50	4.65	8.50
Hybrid Spl. Flat, 105 Day KN....	30c	2.35	4.25	7.75
Hybrid Med. Rd., 100 Day KS....	30c	2.00	3.50	6.25

### FIELD CORN—OPEN POLINATED

	1 lb.	¼ bu.	½ bu.	1 bu.
Gould's Rel. Yellow Dent.....	25c	\$1.85	\$3.35	\$6.50
Minn. No. 13 Cert.....	25c	1.85	3.35	6.50
Rustlers White Dent.....	25c	1.95	3.65	7.00

### SILO & FODDER CORN

	1 lb.	¼ bu.	½ bu.	1 bu.
Minn. Yellow Dent. (Silo).....	25c	\$1.35	\$2.50	\$4.50
Elephant Fodder .....	15c	.85	1.35	2.50
Red Cob Fodder.....	15c	.85	1.35	2.50
Hybrid Silo (Treated) 107 days.....				4.90
Sweet Corn Fodder Evergreen, per 100 lbs.....				6.75

### POPCORN

	1 lb.	5 lb.	10 lb.	25 lb.	100 lb.
Dwf. Hulless Hybrid Minn. 250..	60c	\$2.75	\$5.00	\$10.00	\$35.00
White Hulless .....	40c	1.75	3.25	6.50	24.00
So. American Yellow.....	45c	2.00	3.75	7.00	25.00
Black Beauty .....	45c	2.00	3.75	7.00	25.00

### SORGHUM

	Lbs. per acre	1 lb.	10 lbs.	25 lbs.	50 lbs.	100 lbs.
Early Black Amber (Fodder) 50	50	15c	75c	\$1.50	\$2.75	\$5.00
Waconia Orange Cane Syrup .....	50	15c	1.00	1.75	3.00	5.50

### MILLETS

48 lbs. per bushel. In seamless sacks containing about 130 lbs.

	1 lb.	¼ bu.	½ bu.	Bu.	100 lbs.
German .....	15c	95c	\$1.60	\$2.85	\$5.25
Siberian .....	15c	85c	1.25	2.30	4.25
Japanese .....	15c	95c	1.65	3.00	5.50
Hungarian .....	15c	95c	1.65	3.00	5.50
Hog Milled or Broom Corn.....	15c	65c	1.00	1.75	3.25
Early Fortune or Red Proso....	15c	65c	1.00	1.75	3.25



## Delphinium (Hardy Larkspur)

Very decorative border plants ranging in height from two to five feet. Colors range from various shades of blue to white, pink and scarlet. When plants are 15 inches high, they should be staked to prevent breaking down. As blooms die, cut stems to the ground and you will get a second flower spike in late summer.



**Bella donna.** This type does not grow quite as tall as most Delphiniums, but they produce more spikes and are more graceful and better for cutting. Flowers are large, light azure blue, plants 3 to 4 ft. high. Pkt. 10c.

Feed With  
**VIGORO**  
COMPLETE PLANT FOOD

**Bella mosum.** This is a dark form of the light blue Belladonna; flowers rich deep blue. 3 to 4 ft. Pkt. 10c.

## Delphinium Hollyhock Strain.

**Gold Medal Hybrids.** Many are double flowered and range in color from pale lavender to indigo blue. Mixed colors. Height, 3 to 4 ft. Pkt. 10c.

**Lamartine.** Rich deep blue with white eye. Sturdy plants grow 4½ to 5 ft. Pkt. 10c.

**Cardinale.** "Scarlet Larkspur." Long spikes of scarlet flowers. Seed germinates slowly. Grows 2 to 3½ feet high. Pkt. 15c.

**Iceberg.** Pure white, 20-inch spikes, comes true from seed. Plants, 3 to 4 ft. Crop failure. No seed available in 1943.

## New Hollyhock Strains.

These remarkable new Delphiniums now furnish flower lovers with something new which has long been desired. The spikes of flowers are of unusual size and stalks much taller than any Delphinium now being offered.

**Pacific Giants.** This is a most wonderful strain of Delphiniums. The plants are about 5 feet tall, and of branching habit, yet the flower-spikes are unusually well formed and not at all over-heavy. Comes in a magnificent range of colors and lovely pastel shades. Mixed colors. Pkt. 25c.

**Blackmore and Langdon Type.** Contains some of the finest Delphiniums, in colors from the lightest blue to dark blue. Height, 3 to 5 ft. Choicest mixed. Pkt. 10c.

**Bodger's Hollyhock Strain.** A selection of light shades. Pkt. 15c.

**Wrexham's Hollyhock Strain.** Flowers in blue, white and pink combinations many of them bicolors. Many spikes are 1½ to 2 inches in diameter. Plants, 4 to 5 feet. Pkt. 10c.

**Mixed Hollyhock Strains.** This is a mixture of many of the Hollyhock strains. Pkt. 10c.

## Dianthus (Hardy Garden Pinks)

These old garden favorites with their carnation-like flowers and clove scent are especially valuable for cut flowers. 12 to 18 inches. Mixed colors. Pkt. 10c.

## Dictamnus (Gas Plant)

A bushy perennial about 3 feet high with attractive flower spikes. The plant oils give off a vapor which will ignite if a lighted match is held under a seed cluster on a sultry summer evening. **Fraxinella.** Mixed. Pkt. 10c.

**PERENNIAL MIXTURE**  
As many as 20 different kinds of perennials are included in this splendid mixture. Pkt. 10c.

## Digitalis, Foxglove

A very interesting family of old fashioned plants, whose culture is so simple as to bring them within the reach of all. It grows in strong clumps and is one of our very fine hardy biennials. Grows 2 to 4 ft. Mixed colors. Pkt. 10c.

**Shirley.** A giant variety of the Gloxinia flowered type. Flower spikes 4 feet long of purest white to deepest rose colors, handsomely spotted. 5 to 7 feet. Mixed colors. Pkt. 10c.

**Grandiflora.** A hardy perennial blooming in June and July. Flowers yellowish marked with brown. Plants 2 to 3 feet. Pkt. 10c.

## Gaillardia Grandiflora, Blanket Flower

A very free blooming perennial bearing large yellow, or red daisy-shaped flowers. Very easy to grow and will bloom all summer. Splendid for cut flowers. Height, 24 to 30 inches. Mixed colors. Pkt. 10c.

**Bremen.** Deep coppery scarlet, dark brown disc, narrow golden yellow edge. Pkt. 10c.

**The Dazzler.** Flowers very large, intense maroon-red and golden-yellow tip on the end of each floret. Pkt. 10c.

**Monarch Strain.** Finest mixed. Pkt. 10c.



Gaillardia,  
The Dazzler

**Grandiflora Goblin.** The Little Goblin Gaillardia is the first really dwarf, compact variety especially suited to the rockery. The neat plants reach a height of about 12 to 15 inches, closely covered with large, showy, yellow bordered deep red flowers. Goblin is fine for edges in the perennial border. Pkt. 10c.

## Geum

Geums are hardy perennials and belong to the rose family. They produce dwarf tufted plants from which rise graceful stems, 2 feet high, bearing beautiful double flowers. If flowers are kept cut back, the bloom can be continued from June until September. Flower stems should be dipped in warm water after cutting to avoid wilting.

**Mrs. Bradshaw.** Of orange-scarlet color, blooming the first year if sown early. Pkt. 10c.

**Lady Stratheden.** Rich golden-yellow flowers. Pkt. 10c.

**Hybrida mixed.** Pkt. 10c.

## Gypsophila (Baby's Breath)

These airy plants produce many tiny blossoms on delicate-appearing but sturdy, well-branched stalks. Are fine for cut flower mixtures. May be dried to use in winter bouquets. 2 to 3 ft.

**Paniculata.** Single white. Pkt. 10c.

**Paniculata.** Double white. Pkt. 15c.

**Pacifica.** Especially hardy. Grows to 4 feet the second year. The tiny pink blossoms flower late. Pkt. 10c.

**Repens.** Dwarf Baby Breath. Splendid in rockeries. Mixed colors. Pkt. 10c.

## Helianthemum (Dwarf Sun Rose)

Low growing plants completely covered with bloom during July and August. Pale rose changing to lilac, then to white. Excellent for rockeries. 8 to 12 inches. **Mutabile.** Pkt. 10c.

## Heliopsis (Orange Sunflower)

A new double flowering perennial bearing golden-yellow Zinnia-like flowers from July on. Height about 3 feet. Fine for cut flowers. Pkt. 10c.

## Heuchera (Alum Root, Coral Bells)

Does well in any garden soil producing dainty sprays of rose carmine flowers on long stems. Plants grow 15 to 20 inches. Pkt. 25c.

## Hibiscus (Rose Mallow)



Hibiscus

Showy shrub-like plants, 3 to 5 feet high, with handsome green foliage, on which large flowers 3 to 9 inches in diameter are borne from July until fall. Hibiscus send up new shoots each year and are perfectly hardy in the Northwest. Red, Pink, White with Crimson Eye or Mixed. Pkt. 10c.

## Hollyhocks

The Chater's strain produces for the most part, flowers which are densely double, although occasionally some single blossoms are seen among them. The colors range from pure white to darkest maroon, some are bright and gay, others of the softest and most delicate shades and tints. The plants grow 5 to 7 feet in height.



Hollyhocks

## Double Hollyhocks

**Chater's Double.**—All 10c a pkt.

Chamois, deep rose, maroon, salmon rose, scarlet, white, yellow, Newport pink, finest mixed, single and double mixed.

**Double Imperator.** Large rosette flowers, in charming color combinations. Pkt. 10c.

**Double Triumph.** Beautifully fringed rosette flowers in many new shades and bi-color combinations. Pkt. 10c.

## Single Hollyhocks

Many prefer the single-flowering hollyhocks. They are usually of freer growth than the doubles and present a very handsome appearance. Mixed, pkt. 10c.

## Honesty (See Lunaria)

## Iberis (Hardy Candytuft)

Fine for early decorations. Bloom in spring and early summer. Much used for rockeries and cemeteries.

**Sempervirens.** White, 12 in. Pkt. 10c.

**Gibraltarica.** White flushed lilac. 1 to 2 feet. Pkt. 10c.

## PERENNIAL PLANTS

We carry a complete variety of plants during the Spring Season. Drop in and see our fine assortment.



### Kudzu Vine (Jack and the Bean Stalk)

A hardy climber that will grow 10 feet the first year from seed, the next year 60 feet a season. Tops from young vines may not live through the winter here in the Northwest, but as roots get older, tops are more likely to survive. Has Wistaria-like purple blossoms in August. **Pueraria, Thunbergiana.** No seed—crop failure in 1942.

### Lathyrus (Hardy Sweet Pea)

Showy, free flowering, hardy perennial climber, valuable for covering old stumps, fences, etc., continually in bloom. Good for cut flowers. They require a rich deep soil. Grows 5 to 7 feet tall. Mixed. Pkt. 10c.

### Lavendula Vera (True Lavender)

Delightfully fragrant flowers July and August. Used dry for their lasting perfume. Plants grow 12 to 18 inches high. Pkt. 15c.

### Lilium Regale (Regal Lily)

One of the most beautiful of all known lilies. Flowers are delightfully perfumed, of white, slightly suffused with pink. Blooms in July. Bulbets from spring planted seeds should be lifted and planted deeper in the fall. These bulbets will flower the following summer. Height, about 3 feet. Pkt. 10c.

### Lilium Tenuifolium (Coral Lily)

This is only 24 inches high and one of the earliest to bloom. Flowers are deep scarlet and have recurved petals of waxy texture. Pkt. 10c.

### Linum (Flax)

A pretty plant for the border, with light graceful foliage, bearing delicate flowers through the entire summer.

**Perenne**, dainty sky-blue flowers on graceful arching stems. Grows 30 inches high. Pkt. 10c.

### Lobelia

Grow 2 to 4 feet in height, bearing long spikes of brilliant flowers from July to September.

**Cardinalis**, (Cardinal Flower) flaming scarlet. Pkt. 15c.

### Lunaria (Honesty or Satin Flower)

A curious biennial chiefly grown for its shiny silvery seed pods, which make a useful winter decoration, arranged with flowers in baskets and bouquets. Grow 18 to 24 inches high. Pkt. 10c.

### Lupine

Forms dense bushes 3 to 4 feet high, of elegant spikes completely clothed to the ground with white, rose and blue fragrant flowers from June to September. Lupines are of the hardest perennial plants grown, and will thrive in the poorest soil. Mixed colors. Pkt. 10c.

Lupines should be inoculated with Nitragin. New garden size. 10c.

**Russell Lupines.** This strain of Lupines has enormous flower spikes 3 feet long, closely set with individual flowers. Extraordinary range of colors. Plants 3½ to 4 feet high. Russell re-selected seed in grower's original packets with complete cultural directions. Pkt. 25 seeds, 30c.



Russell Lupines.

### Lychnis

Handsome hardy perennial with brilliant colored flowers. Excellent for borders; blooms first year if sown early.

**Chalcedonica** (Maltese Cross). Flowers fiery red in clusters, each blossom forming a Maltese cross. Blooms June to August. Plants 3 ft. high. Pkt. 10c.

### Monarda (Bee Balm)

Hardy plants of free growth, about 2 feet high with aromatic foliage, brilliant scarlet flowers in July and August. **Didyma.** Pkt. 15c.

### Myosotis (Forget-Me-Not)

These dainty little flowers love cool moist soils, and bloom freely in spring and fall. They make beautiful close borders or edgings. They flower the first season from early spring-planted seed, or seed may be sown in late summer or early fall. Grow 8 to 12 inches high.

**Alpestris.** The Alpestris Myosotis while a perennial needs winter protection. Is mostly treated as an annual; bright blue. Plants 8 inches high. Pkt. 10c.

**Palustris.** (Hardy Forget-me-not.) Dwarf blue plants that bloom from early spring until fall. Fine for rock gardens or edgings. 10 inches. Pkt. 15c.



### Nepeta

An excellent perennial plant for the rock garden, or anywhere. Very compact, producing during July and August masses of beautiful flowers. **Ma-crantha.** Violet, 2 feet high. Pkt. 10c.

### Oenothera (Evening Primrose)

Are elegant plants for growing in an exposed sunny position, either in the border or rockery. Grow 10 to 12 inches high and bear from June until August, large flowers, often 5 inches in diameter.

**Missouriensis (macrocarpa).** Yellow flowers. Pkt. 10c.

### Passiflora (Passion Flower)

Highly interesting herbs and shrubs, mostly climbers that legend and superstition have attached to these plants from the first. The flower was thought to represent the ten apostles present at the Crucifixion. A beautiful vine for the greenhouse or window. Plant in a sunny place outdoors in summer. Mixed. Pkt. 10c.

### Pentstemon (Bearded Tongue)

The plants are pyramidal, 2 to 3 feet high, with erect branches thickly set with flowers 1½ inches long, varying in all shades from rosy-white to purple with white or veined throats. Bloom the first season from spring-sown seed. Flower from July until frost.

**Sensation Improved.** Colors vary from pink to scarlet and maroon, beautifully blotched and veined with other colors. Pkt. 10c.

### Phlox (Hardy Phlox)

These beautiful hardy border plants are among the most effective subjects in the garden during late summer and early fall. Phlox require a soil that is deeply enriched and plenty of water during the blooming period. Divide plants every four years. We are offering a most select strain of seed.

**Decussata.** Seed slow and erratic in germinating and the seedlings may not appear for a year. Grow 2 to 3 feet high. **Finest mixed.** Pkt. 10c.

### Physalis Franchetti (Chinese Lantern)

The flower of this plant turns to a bright red giving it the appearance of a Chinese lantern. The stems should then be cut for drying, and unlike other Everlastings, should be hung up in an upright position to allow the lanterns to hang in their natural position. Grow 15 to 24 inches high. Pkt. 10c.

### Physostegia

These handsome plants flower from July until frost, growing 3 to 4 feet high and bear broad, dense spikes of delicate pink tubular flowers not unlike a giant Heather. One of the most beautiful of our mid-summer flowering perennials. **Virginica.** Pkt. 10c.

### Platycodon (Bell-Flower)



Platycodon

A member of the Campanula family, with handsome, branching spikes 1 to 2 feet high. Platycodon is considered by many the best bell flower. They bear these large, showy deep-blue flowers continuously from July until frost. Plant grows 12 to 24 inches high.

**Grandiflorum.** Tall deep blue, 18 to 24 inches. Pkt. 10c.

### Poppy, Iceland

Similar to the annual Shirley Poppy but in addition to the white, red and pink shades of the latter, the Iceland Poppy is often a fine yellow or orange color. Plants grow 12 to 15 inches high. Will flower entire season if seed pods are kept picked. Pick when in bud for cut flowers. Bloom the first season from spring-planted seed.

**Gartford Giant Art Shades.** (New.) This new strain with exceptionally fine, large flowers, beautifully fluted and soft textured, carried on extremely long, heavy stems up to 30 inches in length, comes in a range of pastel shades. A magnificent addition to the flower garden. Mixed colors. Pkt. 15c.

**Yellow Wonder.** One of the outstanding introductions of recent years, special mention in the 1937 All-America winners. The stems are unusually long and wiry, 24 inches or longer, and flowers will keep as long as 10 days when cut. Flowers are very large, bright buttercup yellow. Pkt. 10c.



Iceland Poppy Emperor

**The Emperor.** 20 inches. The very finest orange Iceland Poppy ever produced. The large flowers are a deep tangerine orange. Blooms freely first year if sown early. Pkt. 10c.

**The Empress.** 20 inches. A remarkable giant poppy, excellent for cutting. Color is a lovely shade of salmon rose and pink. Pkt. 10c.

**Sunbeam Finest Mixed.** Pkt. 10c.

**Sanford's Giants,** vigorous growers, long stems, beautiful colors. Pkt. 10c.

### Poppy, Oriental

One of the most gorgeous of all perennials, producing in May and June its enormous blossoms, often 6 inches in diameter. The colors range from soft blush and rose to flaming scarlet and richest maroon. The plants are at their best when about 3 years old. Often one specimen will show 10 or 15 blooms. Height of plants, 18 to 30 inches. All colors mixed. Pkt. 15c.

**Oriental Scarlet.** Very striking and glorious color. Pkt. 10c.

**Salmon Shades.** New shades of salmon and salmon-pink tints are offered now in this popular perennial. Pkt. 15c.





**Pyrethrum**

**Pyrethrum** (Painted Daisy)  
Bears large daisy-like flowers ranging in color from white to deep red with bright yellow centers; fine for cutting. Blooms in early spring and again in the fall. Plants grow 20 to 30 inches.

**Roseum**, Single mixed. Pkt. 15c.  
**Roseum**, Single and double. Pkt. 15c.  
**Roseum James Kelway**, Deep scarlet. Pkt. 25c.

### Rock Garden Mixture

A selection of finest dwarf perennials. Pkt. 10c.

### Romneya (Matilija Poppy)

Plant in a well-drained, sunny, sheltered location. Grows 4 to 5 feet high. Blooms June to August. Plants must have winter protection in the Northwest. **Coulteri**, White. Pkt. 10c.

### Rudbeckia (Cone Flower)

This is a hardy, free flowering and easily grown perennial. The daisy-like flowers are fine for cutting, blooming from July until October.

**Newmanii Speciosa**, orange-yellow, dark disc, 3 feet. Pkt. 10c.  
**Purpurea**, rosy purple, 4 feet. Pkt. 10c.

### Salvia

Treat as an annual here in the Northwest. Plants grow about 3 feet tall, bearing long spikes of deep blue flowers in August. Seed should be sown indoors in February. **Farinacea Blue Bedder**, Pkt. 15c.

### Saponaria (Bouncing Bet)

A very showy, trailing, hardy perennial rock plant about 9 inches high, producing in summer small, bright rose flowers. **Ocymoides**, Pkt. 10c.

### Scutellaria (Skull Cap)

Pretty blue rock plant, 18 inches high, dense bushy habit, abundance of light blue flowers, June to August. **Coelestina**, Pkt. 15c.

### Scabiosa Caucausica

Resembling in shape the annual Scabiosa, but plants are more vigorous and produce longer and stouter stems as well as larger flowers. This hardy variety bears large blossoms of a delicate lilac, blue, pink or white shades. The plants grow 18 to 24 inches high, blooming from July until frost.

**Giant Hybrids** (Isaac House, Strain). Very large fringed and ruffled flowers in various shades of blue. Pkt. 10c.

### Statice (Sea Lavender)

Produces a mass of tiny blossoms resembling the Baby's Breath, during July and August. These, if cut and dried, last for months.

**Latifolia**, A charming variety for the border or rockery of purplish-blue color. Fine for bouquets. 1 ft. Pkt. 10c.

### Sunflower (Helianthus)

Seeds sown early will produce flowering plants the first year.

**Autumn Glory**, Bright yellow flowers; blooming in August and September. Height, 3 to 4 feet. Pkt. 10c.

### Sweet William (Dianthus Barbatus)



**Sweet William.**

The charming rose and white flowers and fern-like leaves are produced in graceful sprays during August and September. Plants about 4 feet. **Dipterocarpum**, Pkt. 10c.

A beautiful, free-blooming hardy perennial producing a splendid effect in beds and borders with rich and varied flowers. Grows 15 to 20 inches high.

**Single Mixed**, Pkt. 10c.  
**Double Mixed**, Pkt. 10c.

### Thalictrum

(Meadow Rue)

**PERENNIAL FLOWERING PLANTS**  
During late April, all of May and early June, we offer a large assortment of sturdy plants, nearly all field grown.



**Tritoma.**

### Tritoma

(Red Hot Poker)

Although these are hardy plants, many will flower the first year if seed is sown early. They grow 3 to 4 feet high and bear in August blazing, orange-red spikes, blooming until frost. Very fine for cut flowers. **Hybrida**, Pkt. 10c.

**Feed With VIGORO**  
COMPLETE PLANT FOOD

### Valeriana (Garden Heliotrope)

A hardy plant, rather spreading, with silvery green foliage, producing large clusters of rosy white, very fragrant flowers, during June and July. Fine for bouquets. Valeriana should be in every garden.

**Officinalis**, 3 to 4 ft. Pkt. 25c.

### Hardy Verbena

The slender, freely-branched stems attain a height of 4 to 5 feet and bear numerous terminal sprays of heliotrope flowers during July and August.

**Bonariensis**, Pkt. 10c.

### Veronica Speedwell

Plants about 18 inches, bearing small spikes of rich blue flowers most of the summer. Fine for cutting. **Spicata**, Pkt. 10c.

### Viola Odorata (Sweet Violets)

Owing to their fragrance and simplicity of culture Violets have met with general favor. If planted in a shaded moist position they will thrive and flower freely. About 6 inches. Crop failure. No seed available in 1943.

### Wallflower (Cheiranthus)

Half hardy perennials bearing early, dainty yellowish, red or orange flowers, which have a delicious odor. Require winter protection in the Northwest. May be started indoors and set out in May. Height, 15 to 18 inches. Single or double, finest mixed. Pkt. 10c.

## Bulbs and Roots

Many Lily bulbs have come from the Orient in past years and due to present war conditions varieties not priced are not available at the time this catalog is being printed.

**AMARYLLIS**. A fine strain in a wide range of beautiful colors. They are easy to grow in the house. Mixed only. Each, 40c.

**AURATUM LILY**. Flower heads are large with broad petals gracefully recurved. White, thickly studded crimson maroon with a wide gold band down the center of each petal. Plant 9 inches deep.

**BATEMANNAE LILY**. Gorgeous deep apricot blooms in July. Plant bulb 6 inches deep.

**BEGONIA**. **Tuberous rooted**. These profusely-flowering pot plants are deservedly popular for garden, flowering all summer. Colors: scarlet, pink, orange, white, yellow. Each, 25c; doz., \$2.50.

**BLEEDING HEARTS** (Dielytra). One of the most delightful of all the early spring flowering plants, bearing numerous rosy-red, heart-shaped flowers in drooping racemes. Grow 2 feet high. Potted plant, each, 50c.

**CALADIUM** (Elephant's Ear). Plants produce large, broad, green leaves. Each, 25c.

**CINNAMON VINE**. Well-known climber; quick grower, with beautiful glossy heart-shaped leaves and sweet-scented flowers. Vines will grow 25 to 40 feet in a season. Each, 10c.

**CORAL LILY** (Lilium tenuifolium). Deep coral-red flowers. Bloom during June and July. A charming lily for border or rock garden. Plant 5 in. deep. Each, 15c.

**ELEGANS LILY**. Very hardy, dwarf lilies thriving in any garden and producing large, erect flowers of various shades of yellow, orange or red. Grow from 1½ to 2 feet high and bloom during June and July. Plant 6 inches deep.

**GLOXINIAS**. Showy flowering bulbs for the window, garden or conservatory. Each, 40c; 3 for \$1.10.

**HENRYI LILY**. Rich apricot yellow flowers with brown spots during August and September. Plant bulb 10 inches deep.

**ISMENE CALATHINA** (Peruvian Daffodil). A grand summer flowering bulb, producing with great freedom large Amaryllis-like, pure-white, fragrant blossoms. Exceptional for cut flowers. Each, 25c.

**JAPONICUM LILY** (Krameri). Flowers a lovely clear pink, often shaded blush. Blooms in June. Plant 8 inches deep.

**MADEIRA VINE**. The old "Climbing Mignonette." Prized on account of its rapid growth and freedom from insects. Thick, glossy leaves, and long, hanging stems of feathery, fragrant, white flowers. Each, 10c.

**MONTBRETIAS**. Bulbs make lovely cut flowers on spikes like miniature gladioli. Treat same as gladioli, plant 3 inches deep and about 4 inches apart. Colors are scarlet, orange, yellow and salmon. Mixed only. Each, 8c; 2 for 15c; doz., 75c.

**OXALIS**. They produce an unbroken row of foliage about one foot high in continuous bloom. The colors are white, red or pink. Mixed only. Each, 3c; doz., 30c.

**REGAL LILY**. This beautiful new species is acknowledged to be the finest of all hardy lilies. Pure white, shaded pink on outside of petals. Blooms early in July. Plant 9 to 12 inches deep. Each, 30c.

**RUBRUM LILY**. White shaded and spotted with rose and black. Flowers in August. One of the most beautiful of all lilies. Plant 9 inches deep.

**TIGER LILY**. The Tiger Lily with its showy spotted red-orange flowers blooms in August. Very easy to grow, thriving in full sun in any soil. Single or double. Plant 8 to 10 inches deep. Each, 30c.

**TIGRIDIA**. Mexican bulbs producing showy, large, oddly-shaped blooms of gorgeous beauty, in red, orange, yellow, etc. Grow 18 inches high, flowering all summer long. Handle the same as Gladiolus. Mixed. Each, 10c.

**TUBEROSES** (Dwarf Double Pearl). Pure white. One of the most delightfully fragrant and beautiful of the summer-flowering bulbs. Plant as soon as the ground becomes warm. Plant 2 inches deep. Each, 8c; doz., 75c.



# GLADIOLI.

The Gladioli are the most attractive of summer-flowering bulbs. They bloom just when the garden needs brightening up. Their bright spikes help the perennial border especially, which so often lacks color at midsummer before its autumn revival.

**CULTURE.** The Gladiolus thrives in a sunny location. Grows in any good garden soil, but does much better when the latter has been enriched with a fertilizer like Vigoro, Bone Meal or Sheep Manure. If the bulbs are planted at intervals from April to June the blooming period will extend from July until frost. A trench should be dug five inches deep and an inch of sand placed in the bottom to absorb surplus moisture. Set the bulbs 6 to 8 inches apart.

For earliest blossoms, draw 2 inches of soil over the bulbs at first, replacing the rest when the shoots appear. Keep free from weeds and give plenty of water, especially during the blooming period.

Before the ground freezes lift the bulbs. After the tops dry, they should be cut off, the bulbs separated and the small side growth or bulb-lets removed. The latter may be handled like the big bulbs. Then the bulbs are placed in paper or cloth bags, sawdust or sand to prevent them from becoming too dry. Keep bulbs in a temperature of about 35 degrees to prevent sprouting.

**FOR CUT FLOWER USE.** The spike should be cut as soon as the first flower opens on the stalk, preferably before the dew is off in the morning but never in the heat of the day. Cut the stem about 9 inches above the ground and with as little foliage as possible. The foliage is needed for the development of the new bulb. Place the cut flowers in a deep vase, with at least 8 inches of water. Remove the faded blossoms, cut a little off the stem and change the water daily. Treated in this way the buds will open perfectly.

## To Control Thrips

Tartar of Emetic, Naphthalene Flakes and Semesan will control thrips, Gladioli's worst enemy. See pages 48 to 50 for prices.

	Each	Doz.	100
Aladdin, salmon, very large, ruffled.....	20c	\$2.00	....
Ave Maria, medium blue .....	5c	50c	\$3.00
Beacon, salmon scarlet, cream throat....	7c	70c	4.50
Bingo, soft cream with tints of rose....	20c	2.00	....
Bit O'Heaven, deep orange, tall.....	8c	75c	5.00
Black Opal, black, red, long spike.....	20c	2.00	....
Blue Admiral, deep violet blue.....	7c	70c	4.50
Blue Beauty, light blue, large.....	15c	1.50	....



## BEGINNER'S SPECIAL

From the select list of Gladioli listed on this page we offer 25 bulbs, 5 varieties, all named, our selection, for only.....

**\$1**

	Each	Doz.	100
Camellia, delicate blush pink.....	8c	75c	\$5.00
Conquest, light salmon-pink .....	8c	75c	5.00
Del Ray, light red, cream blotch.....	7c	70c	4.50
Early Rose, velvety rose, light throat...	7c	70c	4.50
Excellence, light red, large, early.....	5c	50c	3.00
Flaming Meteor, deep scarlet, extra large	10c	1.00	....
Gold Dust, clear deep yellow, early.....	8c	75c	5.00
Golden Chimes, light yellow, ruffled.....	10c	1.00	....
Green Light, ruffled white with green cast when flowers open.....	25c	2.50	....
Gypsy Girl, scarlet with yellow blotch...	8c	75c	5.00
Hinemoa, deep rose, cream blotch.....	12c	1.25	....
Isola Bella, orchid pink, ruffled.....	8c	75c	5.00
John S. Bach, salmon orange, early.....	5c	50c	3.00
Joseph Hayden, light blue, dark blotch..	10c	1.00	....
King Lear, deep reddish purple, silver line on edge of petals, very large.....	20c	2.00	....
LaFiesta, clear bright orange, tall.....	6c	60c	4.00
Lavender Queen, deep violet lavender....	6c	60c	4.00
Lavinia, medium deep pink, ruffled.....	6c	60c	4.00
Leona, rose-red, tall wiry stem.....	10c	1.00	....
Lucifer, bright orange, crimson blotch..	6c	60c	4.00
Maid of Orleans, white, cream throat....	5c	50c	3.00
Margaret Beaton, pure white, orange scar- let blotch. One of the finest.....	20c	2.00	....
Max Reeger, lavender blue, dark throat..	7c	70c	4.50
Merschau, ochre, overlaid red orange....	10c	1.00	....
Milford, azure blue, immense flowers....	6c	60c	4.00
Minuet, light lavender, extra large.....	5c	50c	3.00
Miss Bloomington, light yellow, tall.....	6c	60c	4.00
Mrs. Lulu Hunt, light salmon, red throat	10c	1.00	....
Myrna, ivory-white, ruffled, large.....	20c	2.00	....
Ninth Symphony, clear salmon, large.....	8c	75c	5.00
Paradise, apricot, tall spike, early.....	5c	50c	3.00
Piegrina, deep velvety violet blue.....	6c	60c	4.00
Picardi, shrimp pink, very large.....	5c	50c	3.00
Rewi Fallu, deep red, large flowers.....	7c	70c	4.50
Rosa Von Lima, light rose, lines in throat	7c	70c	4.50
Rosemarie Pfitzer, creamy white, tinted pink, ruffled .....	6c	60c	4.00
Sandra, light shrimp pink and amber....	7c	70c	4.50
Shirley Temple, light cream, ruffled.....	7c	70c	4.50
Snow Princess, white, one of the best....	10c	1.00	....
Southern Cross, deep red, large.....	6c	60c	4.00
Vagabond Prince, bronzy red with rich orange red blotches.....	8c	75c	5.00
Vrendenburg, pure white, spikes straight and strong, flowers large. Very out- standing .....	10c	1.00	....
Mixed Colors, (large size).....	4c	40c	2.50
Mixed Colors, (medium size).....	3c	30c	1.50

## HARDY WATER LILIES

Water Lilies are one of the easiest plants to grow and no flower in the garden is as fascinating and lovely as the water lily. We give full planting instructions with each order.

- Amaballia.** Flowers deep pink, almost red in center, which lighten to a silver pink on the tips. Blooms are starry in form, slightly cupped. A very desirable and charming lily. Each.....\$1.50
- Comanche.** Flower opens rich apricot, changing to a deep, coppery bronze. A profuse bloomer. Holds itself well above water surface. Outstanding in every way. Each.....\$1.75
- Marliacea Albida.** Pure white blooms of large size with yellow stamens. Are quite fragrant. The snowy white lilies bloom continuously throughout the season. A splendid variety. Each.....\$1.00
- Marliacea Chromatella, Yellow.** The most popular of all water lilies. Blooms are a sulphur yellow and start blooming early, producing an endless succession of flowers. Leaves are handsomely splotted with maroon. Each .....
- Pink Opal.** One of the finest pink lilies for cut flowers. The handsome deep pink blooms are of medium size. The flowers stand well above the water. Each .....
- Sunrise.** Yellow. The largest and easiest to grow. Starts blooming early, continues until late fall. A steady and profuse bloomer.

Carries its huge flowers on stiff stems well above the water. A superb variety.  
Each .....

**\$2.00**



**Venusta.** Pink. One of the most fragrant of water lilies. The blossoms have a smooth depth of color, a brilliant Begonia rose of surpassing beauty. Extremely hardy.  
Each .....

**\$1.75**





Iris Is a Grand Early Season Bloomer

## IRIS

Iris should be planted in a sunny location and may be planted in groups or singly. Bearded varieties in general prefer an alkaline rather than an acid soil. The Iris should be planted in a well-drained location as too much moisture, especially in hot weather, may cause the roots to decay. Iris may be planted at any time of the year except when they are in bloom or when the ground is frozen, although the best time for planting is in the early spring or months of July and August.

We are offering the following select list of popular Iris for spring delivery, or orders will be accepted for July or August delivery. We can also supply almost any variety of Iris not listed on this page. The roots or rhizomes are larger in July or August than in the spring.

### VISIT OUR IRIS SHOW

During the blooming period of Iris, usually the end of May and June, we have on display in our store a large number of Iris blooms, among them some of the world's newest and finest varieties. Orders for Iris can then be left for August delivery.

**Angelus.** Courtly cream pearly light mauve pink. Surprising is the size and the heavy substance for such a delicately subtle color. Each, 50c.

**California Gold.** One of the most sensational new color advancements that the Iris world has seen. It is a rich, bright, shiny yellow of fine size and excellent proportions, a real novelty. Each, 35c.

**Cheerio.** Noted for its brilliance and charm. The flowers are very rich looking; the velvety red petals contrasting with the bright rosy red upright petals. You will enjoy this fine Iris. Each, 25c.

**Copper Lustre.** Colored just like a piece of old copper ware, it is a true copper-colored Iris. The entire flower is the same shade. Large, full flowers as distinctly colored as any Iris we list and very popular. Each, 30c.

## CANNAS

Cannas with their rich foliage and brilliant flowers are a big favorite as a beautifier of home grounds and parks.

The Cannas thrive under almost any conditions and if given a little care and attention, will produce an abundance of attractive foliage as well as large spikes of beautiful flowers of unusually bright colors. Their long flowering season insures a constant display of color.

Cannas make the best showing when planted in beds by themselves. The soil should be well fertilized and worked up thoroughly to a depth of 10 to 12 inches. The bulbs can be set about 12 inches apart and about 4 to 6 inches deep. Mulching with lawn cuttings will help retain the moisture. Start bulbs in pots indoors in March or April. Do not set out until all danger of frost is over; about June 1st here in the Northwest.

The Cannas we offer are not dormant bulbs, but potted plants that have been started in the greenhouse so that they have developed a real live root system. Give them plenty of moisture until they are set out. Add postage to mail orders.

**CANNA PRICES,** on varieties listed: Each, 20c; dozen, \$2.00.

**Ambassador.** Foliage bronze, immense flowers cherry-red and very brilliant. Grows 3½ to 4 feet high.

**City of Portland.** A deep pink which does not fade during the hot weather. Foliage green. A fast grower and heavy bloomer. 5 feet.

**King Humbert.** Scarlet flowers and bronze leaves. A remarkable Canna. Incomparably beautiful. 4 feet high.

**El Capitan.** Huge blooms carried on well-branched stems. This upstanding blue flower measures six inches from top to bottom. Each, 25c.

**Elkhart.** Very rich fiery chestnut red, one of the largest of its color. The rich velvety falls glow like the gleaming embers of a smoldering fire. Tall stems and prolific blooming. Each, 25c.

**Frieda Mohr.** A lavender rose color, very rare. Blooms are beautifully formed and extra large. Strongly recommended. Each, 25c.

**Golden Treasure.** An Iris that has to be seen to be appreciated. Its beauty lies in the most wonderful blendings of rich cream and butter yellow. The color glows and shimmers like glowing sun rays. It is one of the most popular Iris in America today. Each, 35c.

**Gudrun.** Large, shapely blooms splendidly textured. A lustrous snowy pure white. It has a cool glistening frosty appearance. The many flowered stems give a mass of bloom; it is deservedly one of the most popular whites grown and a prize winner on the show bench. Each, 25c.

**Imperial Blush.** Delicately beautiful and pleasing. It is a light silvery-orchid pink or pink-lavender. The coloring holds up well in all kinds of weather for such a delicate color. Each, 25c.

**Los Angeles.** A huge satiny white of beautiful form, delicately marked blue which you will admire. Each, 25c.

**Marquita.** A striking Iris of very large size; glowing cream contrasted with lower petals of watermelon-rose. A lovely Iris, different and unusual and late flowering. Each, 30c.

**Missouri.** A rich, even shade of enameled rich blue. Several fine blooms are open at the same time. It is a prize winner on the show bench year after year. Each, 30c.

**Naranja.** The first orange-toned yellow Iris. The orangey overcast is very striking. A very broad formed flower. Most unusual and very desirable because of the unusual color for such a large flower. Each, 25c.

**Purple Giant.** A striking rich glossy purple so large it is the center of attraction in the garden. The huge blooms profusely produced give a rich carpet of bloom. An aristocrat. Each, 25c.

**Rameses.** Upstanding giant in tones of golden buff and rosy pink. A clump of several spikes of this variety is stunning in the garden. Each, 25c.

**Shah Jehan.** Standards dainty cream buff edged lavender, the falls are rich and magnificent, quickly blending from light fawn to glowing copper, then to rich chestnut. This in turn changes to lustrous tone of velvety purple, climaxed by brilliant orange beard. Each, 25c.

**Sierra Blue.** About the tallest Iris to date, stems reaching 4½ feet. The color is extra good being a rich shade of near royal blue. You have never seen a blue Iris like this. Just the Iris to plant in the background with shorter ones in front. Each, 30c.

**William Mohr.** Huge globular formed blooms. The whole bloom is veined beautifully manganese violet on pale lilac. Give it a warm sunny location. No other Iris like it. Each, 25c.

**Winneshiek.** One of the finest of the rich velvety blue-black color section with segments unusually broad and lustrous. A touch of ruffling augments its graceful form. A lighter margin on rich velvety falls. Each, 25c.

**Orange Bedder.** Bright orange with enough scarlet suffusion to intensify the dazzling mass of color. Green foliage. 4 feet high.

**The President.** A rich, glowing scarlet, and immense flowers, produced on erect stalks well above the green foliage. Grows 4 feet high.

**Yellow King Humbert.** Foliage is a very dark green, flowers a deep rich yellow, softly spotted and blotched with bright red. Grows 4 feet high.





# DAHLIAS

The Dahlia is one of the most popular of garden flowers. Its flowers may be used for garden decorations, house decorations, bouquets, florists' work and exhibition.

**CULTURE.** An open, sunny location seems to favor them at all times. Dahlias can be planted any time after danger of frost is over, but do not plant too early. The Dahlia is a fall flower and if planted too early will commence to bloom in the hottest weather, and either blast in the bud or produce one-sided flowers.

Plant tuber 6 inches deep, on its side, having sprout or eye facing upwards; cover with about two inches of soil. When sprouts are 6 inches high add more soil, making it level with surface. Cultivation is the principal requirement of the Dahlia—the most important of all operations to insure success.

**Abbreviations:** (C.) Cactus; (S. C.) Semi-Cactus; (F. D.) Formal Decorative; (I. D.) Informal Decorative.

	Each
Amber Queen. (Pompon.) Apricot and amber.....	20c
Barbara Redfern. (I. D.) Large, gold and rose.....	20c
Bashful Giant. (D.) Apricot and amber.....	20c
Belle of Springfield. (Pompon.) Bright red.....	20c
Charm. (D.) Burnt orange.....	20c
Coquette. (I. D.) Dark red and gold.....	20c
Countess of Lonsdale. (C.) Salmon pink.....	20c
Daddy Kemp. (D.) Large, reddish purple.....	40c
D. M. Moore. (D.) Maroon almost black.....	20c
D. W. Morrow. (D.) Velvety dark red.....	35c
Edward T. Bedford. (D.) Purple tinged silver.....	20c
Ellenor Vander Veer. (D.) Glowing rose pink.....	20c
Fairy. (Pompon.) Tiny, Jersey Beauty pink.....	20c
Fashion. (Pompon.) Bronze.....	20c

## SPECIAL DAHLIA OFFER NO. 1

Six beautiful Dahlias in a box, 60c, or 70c postpaid within the third zone.

## SPECIAL DAHLIA OFFER NO. 2

Twelve of those priced 20c for \$1.35; or one each of the foregoing 49 varieties, regular price \$11.65, postpaid for \$8.75 within the third zone. Cash with order.

# PEONIES

The Peony is a native of Siberia which undoubtedly accounts for its great vigor and hardiness. The ideal flower for the great Northwest since it endures the most intense cold without injury. The Peony is one of the most easily grown, and showiest of the perennial flowering plants.

Conditions of the soil, location and cultivation are important factors in growing Peonies. Peonies may be planted in the spring during the month of April and the early part of May, or in September. Work the soil thoroughly to a depth of 8 or 10 inches, applying at the same time a generous amount of Vigoro or bone meal fertilizer, mixed well into the soil. Plant root in this prepared soil so that the crown will be about 1 inch below the surface. Press the soil firmly around the roots.

Peonies should not be planted any closer than 3 feet apart and should not be close to trees as the roots of the trees take from the soil the nourishing elements that are needed by the Peonies. Peonies do best in a sunny location.

The following selected varieties we offer for spring delivery at very attractive prices, postpaid. Large 3 to 5 eye divisions. We also have Peony roots during September and October.

## Reds

Each

<b>Felix Crousse.</b> A deep rose-red showing no stamens. Consists of a central bomb of incurved petals surrounded by broad, prominent guard petals. A good all-purpose late red, the same type as the early red .....	\$0.75
<b>Karl Rosenfield,</b> a very brilliant and striking variety of dark crimson. Globular, compact, semi-rose type, and very large. A splendid keeper as cut flower. Blooms midseason.....	.75
<b>Mary Brand,</b> a wonderful crimson variety with a silky brightness. Flowers are very large, semi-rose, and with golden stamens scattered through the center of fringed petals. Flowers midseason. ....	.75

## SPECIAL PEONY OFFER

Any three of the very select peonies listed on this page for..... **\$2.00**

<b>Francis LaRocco.</b> (F. D.) Canary yellow.....	20c
<b>Gladys Sherwood.</b> (C.) Large, white.....	20c
<b>Golden Queen.</b> (Pompon.) Deep yellow.....	20c



Dahlia

<b>Jane Cowl.</b> (I. D.) Bronzy buff and gold.....	20c
<b>Jersey's Beacon.</b> (F. D.) Scarlet and buff .....	20c
<b>Jersey's Beauty.</b> (F. D.) Pink, long stems for cutting.....	20c
<b>Jersey's Mammoth.</b> (D.) Giant, mahogany and gold.....	25c
<b>J. H. Jackson.</b> (C.) Maroon....	20c
<b>Josephine G.</b> (D.) Rose pink..	30c
<b>Judge Marean.</b> (D.) Popular orange and red.....	20c
<b>Kathleen Norris.</b> (I. D.) Large, rose pink .....	30c
<b>Marshall's Pink.</b> (D.) Light pink	25c
<b>Mary Munns.</b> (Pompon.) Lavender .....	20c
<b>Minamoto.</b> (C.) Large, dazzling scarlet.....	20c
<b>Monarch of the East.</b> (D.) Large, orange bronze....	50c
<b>Monmouth Champion.</b> (F. D.) Enormous, flame red..	20c
<b>Mrs. Carl Salbach.</b> (D.) Lavender pink.....	20c
<b>Mrs. Geo. Le Boutilier.</b> (D.) Deep carmine, giant size	30c
<b>Mrs. I. DeVer Warner.</b> (F. D.) Orchid lavender.....	20c
<b>Omar Khayyam.</b> (F. D.) Red and orange.....	30c
<b>Purple Manitou.</b> (D.) Purple.....	20c
<b>Robert L. Ripley.</b> (I. D.) Large, lavender purple....	50c
<b>Rosa Nell.</b> (D.) Deep rose pink.....	20c
<b>Rose Fallon.</b> (D.) Giant, old gold.....	20c
<b>Sanhicans Bluebird.</b> (F. D.) Bright violet blue.....	20c
<b>Satan.</b> (S. C.) Large, flaming red.....	30c
<b>Snowclad.</b> (Pompon.) Pure white.....	20c
<b>Son of Satan.</b> (C.) Large, red.....	30c
<b>The Commodore.</b> (D.) Large, canary yellow.....	20c
<b>Violet Judge Marean.</b> (D.) Violet, sport of Judge Marean .....	25c
<b>White King.</b> (D.) Large, pure white.....	20c
<b>White Wonder.</b> (I. D.) Giant blooms, pure white....	25c
<b>Wm. H. Hogan.</b> (F. D.) Large, red tipped white.....	20c
<b>W. H. T.</b> (D.) Old rose, mauve reverse.....	25c
<b>Zion's Delight.</b> (D.) Large, deep red.....	25c

## Whites

Each

<b>Festiva Maxima.</b> An early true rose-type of purest white, edge of inner petals flecked crimson. The large blooms are lovely in the garden or for cut flower use. Outstanding in every way.....	\$0.75
<b>Mme. De Verneville.</b> The flower is large, very full, and bomb type. The guard petals are sulphur white, but the center petals are rose white with carmine touches. The flower is of good substance. The stems are long and strong. It is an ideal cut flower. The fragrance is pleasing.....	.75



Peonies—As Beautiful as the Rose—Hardy as the Oak

## Pinks

Each

<b>Asa Gray.</b> Properly grown in suitable soil, this is a beautiful Peony. Thrives best in heavy dark loams. Flowers are large, of true rose-type. Guard petals are salmon-pink, thickly marked with minute specks of deeper pink. Easy to identify. A prolific bloomer. Fragrant.....	.75
<b>Edulis Superba.</b> A fine early, deep pink. Flowers are large, borne profusely on tall, strong stems. One of the very best for cut flowers.....	\$0.75
<b>Sarah Bernhardt.</b> Another fine pink that always prevails in the show room. The color is a true apple-blossom-pink with each petal silver tipped. It is a late midseason variety with an agreeable fragrance .....	.75



## Please Note

Nursery stock after leaving our premises is beyond our control and we cannot guarantee it to grow. If, however, we are notified before July 1st, that any such stock purchased from us at the regular catalog price during the month of April or May of this year did not grow, we will replace same next spring at one-half the original cost. This does not apply to Nursery Stock purchased below quoted prices.

In the shrubs, fruit trees, berry bushes, etc., listed in the following pages, we are offering only those varieties that are especially hardy for the Northwest. As with our seeds, we take special pains in getting the very best, strong, healthy stock obtainable. Plant shrubbery as early in the spring as you can as conditions then are ideal in establishing a good root growth which is very important in transplanting.

## Shrubs

**ALMOND, PINK FLOWERING.** Rose-like pink flowers in early spring. Should be planted deeply to prevent sprouting of the plum root on which for hardiness, this variety must be grown. One of the most beautiful early flowering shrubs. Each, 75c.

**BARBERRY** (Berberis thunbergi). A low growing bush with small leaves beautifully colored in fall. The bright red berries remain on the branches all winter. Each, 50c.

**BARBERRY, RED LEAVED.** Leaves and plant grow slightly larger than the common barberry. Leaves have a lovely red color. Each, 75c.

**BEAUTY BUSH.** A very handsome hardy shrub, growing 5 to 8 feet high, resembling the Weigelia and Honeysuckle, bearing an amazing lot of pale pink bell-shaped flowers in June. A fine shrub. Each, 75c.

**BUTTERFLY BUSH** (Buddleia magnifica). A shrubby perennial sometimes called summer lilac. Blossoms borne in long racemes are rosy lilac in color with orange centers. A fairly rich soil, sunny position and abundance of water are essential for the successful culture of the Buddleias. New growth starts from roots each year. Grows 3 to 4 feet high. Each, 50c.

**COTONEASTER, PEKING** (Cotoneaster acutifolia). An attractive, beautifully formed shrub with thick, glossy leaves, turning to red in the fall. Small white flowers in early summer followed by large black berries which remain on the bush nearly all winter. Perfectly hardy. See Hedge Plants also. 2-3 ft. size. Each, 50c.

**CRAB, BECHTEL'S DOUBLE FLOWERING.** Covered in spring with fragrant double rose-like pink flowers. A fine small lawn tree. Grows 15 feet tall. Each, \$1.25.

**CURRENT, ALPINE** (Ribes alpinum). A very dense growing shrub with fine dark green leaves. Height 3 to 4 feet. A very good plant where the soil is well drained. See Hedge Plants also. 2 to 3 ft. size. Each, 75c.

**CURRENT, YELLOW FLOWERING** (Ribes aureum). One of the earliest shrubs to bloom in the spring. Covered with bright yellow flowers with clove fragrance. Bush grows 3 to 5 feet high. Each, 75c.

**DOGWOOD, RED TWIGGED** (Cornus siberica). Grows 8 to 10 feet high, with clusters of white flowers, succeeded by ornamental berries in the fall. Stem and branches turn a blood red in the winter. Each, 50c.

**DOGWOOD, VARIEGATED** (Cornus mas elegantissima). A variety similar to the Red Dogwood except that the leaves are green with a white stripe through the center. A desirable shrub for group planting. Each, 75c.

**ELDER, GOLDEN** (Sambucus aurea). A shrub of medium height with yellow foliage and white flowers. Valuable for group planting because of its contrast in color. Grows 7 feet tall. Each, 50c.

**FLOWERING PLUM** (Prunus triloba var. plena). A showy and interesting shrub, bearing in the spring, on its long slender branches a wealth of large pink double flowers. One of the finest spring blooming shrubs. Grows 5 feet high. Each, 75c.

**FORSYTHIA SUSPENS A FORTUNEI** (Golden Bell). An upright growing shrub with finely arching branches and golden yellow flowers borne in profusion in early spring before leaves appear. Grows 5 ft. high. Each, 50c.

**HIGH BUSH CRANBERRY** (V. opulus). A very ornamental shrub with white flowers in late spring, followed in autumn by bright scarlet edible berries which remain until early winter. Grows 8 feet tall. Each, \$1.00.

**HONEYSUCKLE, PINK** (Tatarica). Very hardy, good for hedge or background for low growing shrubs. Fragrant pink flowers in May and June, followed by red berries. Grows 8 feet high. Each, 50c.

**HYDRANGEA SNOWBALL.** (H. arborescens grandiflora). Heavy snowball-like flowers of white from late June to frost. Should have plenty of water. Will stand partial shade. Often used for solid low borders. Grows 3 to 4 feet high. Each, 75c.



**Hydrangea Paniculata Grandiflora**

are out of bloom. Grows 4 feet high. Each, 75c.

**LILAC, Common Purple.** These are the old-fashioned Lilacs. Very hardy. 2 to 3-foot size. Each, 50c.

**LILAC, PERSIAN** (Syringa persica). A beautiful shrub with slender, arching branches and narrow leaves. Pale purple flowers in May. Grows 7 feet. Each, 85c.

**LILAC, Rothmagenensis** (Rouen Lilac). Grows 10 to 12 feet high. Late blooming reddish purple flower. Delicately formed leaves. Each, 85c.

**LILAC, Villosa.** Dwarf, broad leaves, blooms pinkish. Each, 85c.

**LILAC, Belle de Nancy** (French). Large, double flowers of deep pink. Each, \$1.00.

**LILAC, Chas. Joly.** (French.) Double purple flowers. 2 to 3-foot size. Each, \$1.00.

**LILAC, Chas X.** (French.) Has single reddish-purple blooms. 2 to 3-foot size. Each, \$1.00.

**LILAC, Gloire De Moulins.** (French.) Has single, dark purple flowers. 2 to 3-foot size. Each, \$1.00.

**LILAC, Mme. Le Moine.** (French.) Double white flowers. 2 to 3-foot size. Each, \$1.00.

**MOCK ORANGE** (Coronarius). Orange scented, creamy white flowers in May and June. It is a strong growing shrub and like all Mock Orange is one of the best shrubs for situations which are partially shaded though preferring sun. Grows 7 feet tall. Each, 50c.

**MOCK ORANGE, GOLDEN** (Philadelphus aurea). A compact shrub of an ultimate height of 4 feet with very brilliant yellow foliage. It is a mass of white flowers in May and June. Each, \$1.00.

**MOCK ORANGE** (Mont Blanc). A fine variety bearing large fragrant flowers. A good shrub for house foundation planting. Grows 4 feet high. Each, 75c.

**MOCK ORANGE** (Virginal). A magnificent new variety. Large, fragrant, pure white flowers bloom over a very long period. Grows 4 to 5 feet high. Each, 75c.

**NINEBARK, DWARF** (Opulifolius nana). A very compact low growing bush, 3 to 4 feet high, bearing clusters of white flowers in spring, followed by red berries. Foliage very attractive. Each, 75c.

**PLUM, CISTENA** (Prunus Cistena). A very compact shrub with bright red foliage. Grows 6 to 8 ft. Each, 85c.

**RUSSIAN OLIVE** (Elaeagnus angustifolia). A large shrub with attractive silver gray foliage. Desirable in large group plantings. Each, 50c.

**SNOWBALL** (Viburnum opulus). A popular shrub attaining a height of 6 to 8 feet and having large, round clusters of white flowers in May and June. Each, 75c.

**SNOWBERRY, RED** (Coral Berry). A native shrub that is hardy and easy to grow where other plants fail. Red to purplish red berries in late summer. Stands sun or shade and poor soil. Prune in early spring. Grows 2 to 3 feet high. Each, 50c.

**SNOWBERRY, WHITE** (Symphoricarpos racemosus). A compact, graceful shrub with slender arching branches. The pink flowers are succeeded by large white berries in September that persist well into the winter. Stands shade well. Grows 4 to 5 ft. high. Each, 50c.

## FERTILIZED EARTH

This is rich soil, enriched with fertilizer, and prepared for house plants, window boxes, etc. Is mixed and cured to give the best results to house plants and to prevent crusting which stunts or kills so many house plants, planted in ordinary soil.

10 lbs. (enough for 6—5-inch pots).....\$0.25  
100 lbs. .... 2.00



## MAIL ORDERS

MAIL ORDERS FOR NURSERY STOCK ARE SENT TO MINNESOTA AND WISCONSIN POINTS ONLY. All prices are F. O. B. St. Paul. If wanted by Parcel Post, add 20% for postage and packing with a minimum of 25c; if by Express or Freight, add 10% for packing.



The Low Growing Spirea Anthony Waterer in front of Spirea Van Houttei, make a Fine Foundation Planting

**SPIREA, ANTHONY WATERER.** Brilliant rosy carmine flowers. Blooms all summer. Always blooms the first season. Makes a fine color combination planted with *Hydrangea arborescens*. Grows 2 feet high. Each, 60c.

**SPIREA AUREA** (Golden Spirea). Growth upright, attaining 5 to 6 feet, although the heavy white flower umbels in June make the branches droop. Foliage yellow changing to golden bronze in the fall. Each, 50c.

**SPIREA BILLARDI** (Pink Summer Spirea). Pink flowers in terminal spikes during July and August. Suitable for moist situations. Grows 5 feet high. Each, 50c.

**SPIREA FROEBELI.** Similar to Anthony Waterer, but a foot taller, with broader and darker leaves, which are a beautiful salmony bronze red in spring, reverting to similar shade in fall. Has reddish pink flowers in dense corymbs during July and August. Each, 60c.

**SPIREA SORBIFOLIA** (Plume Spirea). Foliage resembles a Mountain Ash. Long spikes of white flowers in July. Stands sun or partial shade. 5 ft. Each, 60c.

**SPIREA VAN HOUTTEI** (Bridal Wreath). A very hardy and effective shrub, with graceful arching branches well covered in late May with a profusion of large pure white flower clusters. The most popular and most planted of all shrubs. Will grow in almost any location. Grows 5 to 6 feet high. 2 to 3-foot size, 40c each; 10 for \$3.60; 3 to 4-foot, 60c each; 10 for \$5.40.

**TAMARIX**—Very fine foliage producing a fern-like effect. Attains a height of 6 to 8 feet. Pink flowers July to September. Each, 75c.



Spirea Van Houttei Makes a Beautiful Bush.

**WEIGELIA EVA RATHKE.** Large crimson flowers. Blooms throughout the summer and autumn. Needs winter protection. Grows 4 feet high. Each, 75c.

**WEIGELIA ROSEA.** Has coarse but gracefully drooping branches with pink flowers. If pruned after blooming will flower off and on all summer. Grows 6 feet high. Each, 75c.

## Clematis

No other climbing plant equals in attractiveness the beautiful flowering Clematis. Plant with crowns 3 inches below surface of soil. Provide good drainage.

**JACKMANI.** Broad-petaled flowers of violet-purple. The most popular and hardiest of the blue-flowering Clematis. Potted plant, each, \$1.25.

**MME. EDW. ANDRE.** Very lovely velvety red, free-flowering and continuous bloomer. Potted plant, \$1.25.

## Hedges

Plant living, lasting fences. Walls and fences are generally expensive but a fine green hedge may be had at a small cost and will add much to the beauty of the home, both summer and winter.

**ALPINE CURRANT.** A very dense-growing hedge with fine dark green leaves. Will grow to a height of 3 or 4 feet. The yellow flowers which open in May are very fragrant. Very desirable where the soil is somewhat dry. 12 to 18 in., each 35c; 10, \$3.15; 100, \$25.00.

**BARBERRY** (*Berberis Thunbergi*). Dwarf hedge, attractive and effective. Each, 30c; 10, \$2.75; 100, \$20.00.

**BUCKTHORN.** Best sheared low hedge, or free growing tall hedge. May be trained from 18 inches up. Very hardy. 2 to 3-ft. size, each, 30c; 10, \$2.70; 100, \$15.00.

**CARAGANA ARBORESCENS** (Siberian pea tree). An excellent hedge plant. Especially suited to light soils and sunny locations. The beauty of its foliage makes it desirable for planting in groups or in masses behind other low growing shrubs. Bright green pea-like leaves. Grows 8 to 12 feet high. Each, 30c; 10, \$2.75; 100, \$15.00.



A Hedge Adds Much to the Beauty of the Home Surroundings.

**COTONEASTER.** When a hedge of medium height is wanted this is one of the best to plant. The leaves are a rich green and very glossy which adds to the beauty of the plant. 12 to 18 in., each, 30c; 10, \$2.75; 100, \$12.50.

**LILAC, Common Purple.** Heavy rooted, 18 to 24 inch plants. Each, 35c; 10, \$3.00; 100, \$20.00.

## Windbreak Trees

### Deciduous—Per 100

**Elm, American**—6-12 in., \$1.25; 18-24 in., \$2.50.  
**Elm, Chinese**—6-12 in., \$1.25; 18-24 in., \$2.50.  
**Locust, Black**—12-18 in., \$1.40.  
**Maple, Soft**—12-18 in., \$1.40.  
**Mulberry**—12-18 in., \$1.75.  
**Olive, Russian**—12-18 in., \$2.65.  
**Poplar, Lombardy**—18-24 in., \$4.75.

### Evergreens—Per 100

**Norway Pine**—4-6 in., \$2.95; 6-9 in., \$9.75.  
**Pine, White**—4-6 in., \$2.45; 9-12 in., \$10.50.  
**Spruce, Black Hill**—4-6 in., \$6.00; 6-9 in., \$14.00.  
**Spruce, Colorado**—4-6 in., \$3.75; 9-12 in., \$17.50.  
**Spruce, Norway**—4-6 in., \$2.45; 6-8 in., \$3.15.  
**Spruce, White**—4-6 in., \$2.45; 6-9 in., \$7.80.

Add 25c for postage on Mail Orders within the 3rd zone, for each 100 trees.

## Hardy Climbers

**BITTERSWEET** (*Celastrus scandens*). A native vine in Minnesota. Produces an abundance of bright red berries that are used for decorative purposes in the winter. Very hardy. Good for covering trellises, etc. Each, 50c.

**BOSTON IVY** (*Ampelopsis Veitchii*). The grandest hardy climbing vine for covering houses, churches, schools, etc. Its glossy, ivy leaves make a rapid growth. The tendrils cling firmly to the smoothest surface of rock or brick. Each, 60c.

**ENGELMAN'S IVY** (*Ampelopsis engelmannii*). Leaves are larger and not as dainty as the Boston Ivy. This ivy grows very fast and clings to brick, stone or plaster. Perfectly hardy in Minnesota. Each, 50c.

**SCARLET TRUMPET HONEYSUCKLE** (*Lonicera sempervirens*). Trumpet-shaped flowers of bright scarlet. Blooms more or less all summer. Each, 50c.



## Grape Vines

**AGAWAM.** A large, dark red grape; pulp soft and sweet. Ripens early. Each, 40c; 10 for \$3.50.

**BETA.** Hardy and most widely grown in the Northwest. An excellent juice grape. Ripens early September. Each, 35c; 10 for \$2.75.

**CAMPBELL'S EARLY.** Hardy, vigorous and profuse bearer of large grapes of light purple, rich and sweet. Each, 40c; 10 for \$3.50.

**CONCORD.** The most satisfactory of the tender grapes for Minnesota conditions. A vigorous grower and heavy producer. Each, 35c; 10 for \$2.75.

**MOORE'S EARLY.** Similar to Concord but ripens about two weeks earlier. Each, 40c; 10 for \$3.50.

**NIAGARA.** The standard white grape. Semi-hardy in Minnesota. Each, 40c; 10 for \$3.50.



## Ornamental and Shade Trees

**AMERICAN ELM.** A splendid tree for boulevard planting or a yard. Graceful and of upright habit. Grows 80 to 100 feet high. 6-8 ft. size, \$1.00; 1 1/4 to 1 1/2 inch diameter, \$2.00; 2-inch caliper trees, each, \$2.50.

**BASSWOOD OR LINDEN.** Has large heart-shaped leaves and fragrant white blossoms. A fine lawn tree. Hardy and fast grower. 6 to 8-foot trees, each, \$1.50.

**BIRCH, WHITE.** A medium sized tree native to Minnesota. The white bark is enchanting the year around. 6 to 8 feet. Each, \$1.75.

**CHINESE ELM.** This shade tree is very popular on account of its rapid growth, resistance to disease and ability to thrive in almost any situation. A tree of rare beauty. Grows 75 feet high. 6 to 8 ft. 75c; 10 to 12 ft. each, \$2.00.

**CRAB, DOLGO.** A beautiful ornamental tree, absolutely hardy. Produces an abundance of small red crabs. The trees are free from blight and very attractive with a mass of red fruit. Each, \$1.25.

**CRAB, HOPA.** A very ornamental tree. Red blossoms completely cover the tree in early spring. Fruit is small, red inside and out. Each \$1.25.

**MAPLE, SCHWEDLER'S.** A very ornamental shade tree. The foliage is dark red in the spring and gradually softening to bronze, then turns to green later in the season. 6 to 8-foot trees. Each, \$3.50.

**MAPLE, SOFT OR SILVER.** A very rapid growing tree. The finely cut leaves show their silvery sides when turned by breezes. Grows 60 feet. 8 to 10 feet. Each, \$1.50.

**MOUNTAIN ASH (European).** The combination of foliage and clustered fruits makes this a very beautiful lawn tree. Bright red berries, white flowers. Used as specimen on the lawn or as an accent in the border. Grows 30 feet high. 6 to 8-foot trees. Each, \$1.50.

**POPLAR, BOLLEANA.** A tall, slender tree. Leaves are dark green on the upper surface and white beneath. The bark is silvery gray. Grows 80 feet high. 6 to 8-foot, each, \$1.00.

**POPLAR, LOMBARDY.** Very similar to the Bolleana except in color of leaf and bark which is green. Grows 100 feet tall. 6 to 8-foot trees. Each, 75c; 10 for \$6.75.

**RUSSIAN MULBERRY.** A low growing very bushy topped small tree. Leaves are small and many lobed. The edible fruit is sweet and resembles a blackberry. 5 to 6 foot trees. Each, \$1.00.

**WALNUT, BLACK.** A majestic tree that not only bears choice nuts, but is also a grand shade tree of fine form. A slow grower. Will attain a height of 100 to 150 feet. 6 to 8 ft. Each, \$2.00.

**WILLOW, NIOBE WEEPING (Salix alba).** A small tree, with graceful, golden, drooping branches. It is one of the best of the Weeping Willows. 6 to 8-foot size. Each, \$1.50.

## Pear Trees

Pears require the same soil and cultivation as apples. Pruning and spraying also similar.

**BANTAM.** A very hardy, medium sized pear, practically immune from blight. Ripens early. Each, 95c.

**MENDEL.** A vigorous grower and practically resistant to blight. Fruit of medium size, yellow and good quality. Each, 95c.

**PARKER.** (Minn. No. 1.) Tree a vigorous grower, perfectly hardy, blight resisting. Fruit large, good quality, and heavy producer. Each, 95c.

## Hansen Apricot

This variety is perfectly hardy in Minn. and will bear fruit of finest quality, ahead of plums. Apricot trees should be planted in a northern or exposed situation so they do not blossom too early. Each, \$1.25.

## Apple Trees (5 to 7 Ft.)

**ANOKA.** One of Prof. Hansen's valuable introductions to horticulture trade. Bears when two years old. Produces a large apple of fine flavor which matures earlier than the Duchess. Each, 75c; 10 for \$6.75.

**BEACON.** Developed by the Minnesota Agricultural University. A deep red apple of good size and quality that ripens early. Each, 75c; 10 for \$6.75.

**DELICIOUS.** A very high quality apple suitable for southern Minnesota. Each, 75c; 10 for \$6.75.

**DUCHESS.** Season, July and August. A vigorous growing, hardy tree. Fruit is large, greenish yellow striped with red. Each, 75c; 10 for \$6.75.

**ERICKSON.** Season early. Fruit large and bright red in color. Of special recommendation for northern section of Minnesota or Wisconsin. Each, 75c; 10 for \$6.75.

**HARALSON.** Season, January to April. Has been aptly called the Northwest's best winter apple. Tree vigorous and very productive. Each, 75c; 10 for \$6.75.

**McINTOSH.** Season, October to January. One of the finest apples grown. Because of its brilliant deep red color, delicious flavor, crisp, snow-white flesh and distinct pleasant aroma many people prefer it to all other varieties. Each, 75c; 10 for \$6.75.

**MINJON.** (Minn. No. 700). An apple closely resembling Jonathan in size, color and form. It is very hardy, very productive and ripens soon after Wealthy. Good eating and cooking quality. Each, 95c; 10 for \$8.75.

**NORTHWEST GREENING.** Season, November to June. Splendid for cooking. Each, 75c; 10 for \$6.75.

**PRAIRIE SPY.** Previously known as Minnesota No. 1007, is probably the best of the recent introductions of the Minn. State Fruit Breeding Farm. It is a medium to large apple, ripening late, and an exceptionally good keeper. Fruit covered with carmine red stripes and is very attractive. Quality good. We do not recommend planting it in Northern Minnesota as the season is not long enough to properly mature the fruit. Each, 75c; 10 for \$6.75.

**WEALTHY.** Season, September to January. One of the best market and home orchard varieties for Minnesota. Fruit medium to large, beautiful red in color and good flavor. Each, 75c; 10 for \$6.75.

## Hardy Cherry Trees (5 to 7 Ft.)

**COMPASS.** An especially fine cherry for preserving. Fruit is a bright red, juicy, tart flavor. Hardy in the Northwest. Each, 75c; 10 for \$6.75.

**EARLY RICHMOND.** Medium size, dark red; acid flavor. One of the most popular Sour Cherries. Very hardy. Ripens in June. Each, 95c; 10 for \$8.25.

**OKA.** A very compact, somewhat dwarf, vigorous growing tree. It is a heavy yielder, producing bright red fruits of medium size. Each, 75c; 10 for \$6.75.

## Crab Apple Trees (5 to 7 Ft.)

**DOLGO.** It is absolutely hardy and very prolific. Producing an abundance of small red crabs, which make a perfect jelly even when fully ripe. A beautiful ornamental tree. Each, 95c; 10 for \$8.50.

**HOPA.** A very ornamental tree. Red blossoms completely cover the tree in early spring. Fruit is small, red inside and out. Each, 95c; 10 for \$8.50.

**HYSLOP.** Dark rich red fruit of large size and sub-acid flavor. Each, 75c; 10 for \$6.75.

**TRANSCENDENT.** A well-known variety of hardy crab. A good pickling and jelly crab. Has a tendency to blight. Each, 75c; 10 for \$6.75.

**VIRGINIA.** Very hardy and a vigorous grower, does not blight, fruit good for pickling or jelly. A prolific, annual bearer. Each, 75c; 10 for \$6.75.

**WHITNEY.** A fine crab for eating purposes or sweet pickles. Fruit of red color. Each, 75c; 10 for \$6.75.

## Plum Trees (5 to 7 Ft.)

**HENNEPIN.** A mid-season, medium size fruit of bluish color and delicious flavor. Each, 85c; 10 for \$7.50.

**MONITOR.** Late mid-season. It produces a large beautifully formed tree of upright spreading growth, is very vigorous and hardy. Fruit large red, firm fleshed and of excellent quality. Each, 85c; 10 for \$7.50.

**RED WING.** Mid-season. One of the largest of the new plums. Outstanding because of its unusually large, fine appearing, deep red fruits of high quality. Hardy in all parts of Minnesota. Each, 85c; 10 for \$7.50.

**SUPERIOR.** Considered one of the best mid-season plums. Fruit is large, beautiful red, flesh firm, of exceptional quality. Each, 85c; 10 for \$7.50.

**SURPRISE.** Fruit is attractive red and of high quality. A light yielder and we recommend planting only for pollenizing other varieties. Each, 95c; 10 for \$8.50.

**UNDERWOOD.** One of the best plums for general growing. The fruit is large, of an attractive red color, with a firm, juicy, golden yellow flesh. Season, late July and early August. Each, 85c; 10 for \$7.50.

**WANETA.** Prof. Hansen's best plum. Very large, dark red overlaid with blue. Fruit of splendid flavor. Hardy and a heavy bearer. Each, 85c; 10 for \$7.50.



## Gooseberry Bushes

**COMO.** (Minn. No. 43.) A vigorous grower, very productive, nearly thornless, perfectly hardy and is disease-resistant. Fruit large and green in color when ripe. Each, 40c; 10 for \$3.50.

**PERKINS.** The berries are highly productive, very large, measuring one and one-half inches long and one inch wide. The color is light green turning to golden yellow at maturity. The flavor is pleasantly sweet and of best quality. Each, 50c; 3 for \$1.35; 10 for \$3.75.

## Raspberry Bushes (Extra Heavy)

**CHIEF.** The fruit, medium in size, bright red, firm. Ripens early and extends over a long period. Quality of fruit is excellent. The plants are vigorous in growth, perfectly hardy and seem to be resistant to mildew and mosaic. The wood ripens early and is a good plant maker. Chief has the good qualities looked for in a raspberry: earliness, quality of fruit, and yield. Doz., 70c; 25, \$1.15; 100, \$4.25; 500, \$15.60; 1,000, \$26.95.

**LATHAM.** (Minn. No. 4.) That great Minnesota Introduction—holds unchallenged first place as the leading commercial and home variety of Red Raspberry. It is hardy everywhere, bushes are sturdy, upright, and vigorous, particularly resistant to diseases of all kinds. The fruit is very large, dark red, and firm. Latham is an excellent shipper, heavy yielder, easy picker. It has the qualities that make it the leading Red Raspberry. Doz., 70c; 25, \$1.15; 100, \$4.25; 500, \$15.60; 1,000, \$26.95.

**NEWBURGH.** The berries are very large and firm, but of rather dry texture, highly desirable as a commercial berry. Much heavier bearer than Latham or Chief. Season the same as Latham. Doz., 70c; 25, \$1.15; 100, \$4.25; 500, \$15.60; 1,000, \$26.95.

## Currant Bushes

**RED LAKE.** (Minn. No. 24.) This new currant promises to replace all other varieties in the cherry currant class. Bush is more upright and yields large berries borne on long, well-filled bunches. No. 1, 2-year plants. Each, 35c; 10 for \$3.15.

## Bush Cherry

It does not take up much room but bears a great amount of large, dark purple-red fruit of good flavor. Delicious to eat or for preserves or jelly. Grows 4 to 5 feet tall. Each, 35c; 6, \$1.50; 12, \$2.75.



## Strawberry Plants

Prices subject to plants being available.

**DUNLAP.** Mid-season. One of the best known and most widely grown strawberries in the north and eastern half of the United States. 25 for 50c; 100, \$1.00; 250 for \$2.25.

**BEAVER.** Very similar to Dunlap. Is a good drought resister. Berries are dark red, firm, and of exceptionally fine flavor. 25 for 50c; 100 for \$1.25; 250 for \$2.50.

**GEM.** (Everbearing.) Berry is large and dark red, of excellent quality. Very immune to disease. A good bearer. 25, 60c; 100, \$1.85; 250, \$4.00.

**WAYZATA.** (Everbearing.) A hardy disease and frost-resistant variety. Starts bearing about August 1st. Fruit equal to the best June berries. 25 for \$1.25; 100 for \$3.75; 250 for \$8.00.

## Boysenberry

It is a cross of the raspberry, blackberry and loganberry; berries almost seedless, sweet and of finest flavor and about two inches long. Make wonderful jelly, jam and pies. Train to stakes like grape vines. Lay canes down and cover with straw in the fall for winter protection. Plants, each, 20c; doz., 95c; 25 for \$1.75; 100, \$6.50.

## Strawberry-Raspberry Plant

This is a cross between the strawberry and raspberry, resembling both in many points. In size and color it is like the strawberry, growing on dwarf bushes. It produces an abundance of fruit which is fine for jelly, jams, etc. Fruit should not be picked until thoroughly ripe. Each, 20c; doz., \$1.50.

## ASPARAGUS ROOTS

In preparing the bed for asparagus roots the soil should be worked up at least 12 inches deep and a very heavy application of well-rotted manure or commercial fertilizer should be given. Make furrows ten inches deep and spread roots 18 inches apart in row and cover with two inches of soil gradually filling as shoots appear until surface is level. Do not cut any later than June 20th until the third or fourth year.

1 yr. old. Doz., 50c; 25, 85c; 100, \$2.25; 1,000, \$18.00.

2 yr. old. Doz., 60c; 25, \$1.00; 100, \$2.75; 1,000, \$22.50.

Postage 10c for first doz.; 5c for each additional doz.

## Rhubarb Roots

The planting of Rhubarb roots instead of seed saves both time and labor, especially for the home garden. Do not pull the stocks the first year after planting, except the blossom stock. These should always be kept down, as they take the strength from the rest of the plant.

Medium size roots, 20c each; doz. \$2.00.

Large size roots, 30c each; doz. \$3.00.

Add 20c for mailing within the 3rd zone.

# ROSES

See inside back cover page for Roses in color and special offers. Secure and plant Roses in early April for best results.

## Brownell Everblooming Roses

A new race of sub-zero hybrid teas from hardier species that bloom all summer, of great sturdiness and vigor, to survive sub-zero winters. Budded on Rosa Multiflora. Outstanding in every way.

**ANNE VANDERBILT.** Exquisite coppery orange, semi-double, very brilliant, fragrant. Each, \$1.60.

**BREAK O'DAY.** A robust plant with large double flowers orange-apricot, shaded with lighter flesh tints; very fragrant. It is exceptional for its strong growth, its fragrance, and for its huge clusters of flowers. A bedding Rose of high merit. Each, \$1.60.

**KING BOREAS.** Lemon yellow, very double, free constant bloomer, a beauty. Each, \$1.60.

**LILY PONS.** Long pointed buds open to large, very double, fragrant flowers; the center is deep yellow shading out to palest yellow and white. This Rose is vigorous, and a free bloomer. Each, \$1.60.

**PINK PRINCESS.** Bud red, flower deep pink, famous as the first Hybrid Tea free from premature defoliation. Each, \$1.60.

**SHADES OF AUTUMN.** (Pat. No. 542.) An abundant and joyous expression of bi-colored beauty. Each, \$1.60.

## ROSE SPECIAL

Any three Brownell Roses listed at \$1.60 each for \$3.90 or six for \$7.50. (Express or postage extra.)

## Hybrid Perpetual Roses

Hardier than hybrid teas, not as hardy as sub-zero hybrid teas. The varieties listed here will bloom in late summer and fall, as well as June, although not as fully as the hybrid teas.

**FRAU KARL DRUSCHKI.** Very large pure white of perfect form, excellent texture and keeping qualities. Considered the best white. Each, 75c.

**MRS. JOHN LAING.** A soft delicate pink. Fragrant. Flowers over a long period. Each, 75c.

**PAUL NEYRON.** This old time rose is still a big favorite. Deep rose, very fragrant. Each, 75c.

## Shrub Roses

Perfectly hardy and need no winter protection. Can be planted in shrubbery borders, separate beds, groups, or as individual specimens. The Grootendorsts are the only really hardy everblooming roses.

**AGNES RUGOSA.** A new free-flowering, fragrant, golden-amber rose. This rugosa hybrid originated in Canada. Each, \$1.00.

**HANSA RUGOSA.** A showy hybrid with abundant large reddish violet flowers. Each, 85c.

**HARRISON'S YELLOW** (Austrian Brier). A big bushy shrub, producing quantities of medium sized, semi-double, light yellow flowers in early summer. One of the best hardy yellow roses. Each, \$1.00.

**PINK F. J. GROOTENDORST.** Identical with the red variety except color, charming clear pink. Each, 85c.

**RED GROOTENDORST.** The bright red double flowers are freely and continuously produced in large clusters from early June until late fall. It is one of the most suitable plants for shrubbery and specimen plantings. Needs no winter protection. Each, 85c.

**SIR THOMAS LIPTON.** The snowy white flowers are double and bloom through the summer and fall. Each, \$1.00.

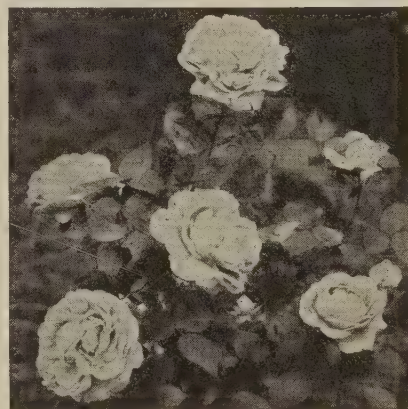
## Polyantha Everblooming Roses

These hardy plants, only 18 to 24 inches high, bloom continuously throughout the summer but flowers are smaller than the Floribundas.

**CECIL BRUNNER.** Dainty clear pink flowers with a yellow center. Each, 75c.

**GOLDEN SALMON.** Bright orange-salmon, a free bloomer. Each, 75c.

**LAFAYETTE PINK.** Flowers soft silver-pink, bright and lovely, a heavy bloomer. Each, 75c.



Every Garden Should Have Roses



## Everblooming Hybrid Tea Roses

From early June until frost these roses will bloom constantly, showing often 20 blooms and buds at a time.

**AMI QUINARD.** Maroon-red semi-double flowers. A vigorous bloomer. The best "black" rose. Each, 75c.

**BETTY UPRICHARD.** One of those delightfully contrastive types; the outside a blend of deep toned carmine with coppery orange; the interior being mostly a delicate salmon-pink. Each, 75c.

**CHARLOTTE ARMSTRONG** (Pat. No. 455). The long, slender, blood-red buds and the magnificent, brilliantly colored open flowers, spectrum-red in cool weather, cerise in hot weather. The long-stemmed blooms are produced in quantities throughout the season. A grand new Rose. Each, \$1.50.

**CHRISTOPHER STONE.** Large, semi-double vivid scarlet flowers overlaid with velvety crimson. Has a delicious old rose fragrance. Of vigorous, upright growth with bright green foliage. Each, 75c.

**COLUMBIA.** This beautiful old favorite is of strong, vigorous habit and exceptionally free blooming. Color a most pleasing shade of rose-pink and delightfully fragrant. Each, 75c.

**CONDESA de SASTAGO.** A fine double rose with buds golden yellow, beautifully striped with brilliant capucine red. The open, spicy scented blooms are of similar color. Strong grower and a perfect beauty. Each, 75c.

**CRIMSON GLORY** (Pat. No. 105). Experts agree it is the best red rose grown. Its vivid crimson shaded flowers are mellowed by a soft velvet nap. Each, \$1.25.

**EDITH NELLIE PERKINS.** A Rose of vigorous growth and free flowering. Long pointed buds; flower of good size, long lasting and fragrant. Outside of petals red, shaded cerise-orange; inside salmon-pink. Each, 75c.

**ETOILE de HOLLANDE.** Brilliant red blooms of magnificent size, perfect in half-open state, showing clean, attractive centers when fully open; petals enormous, very fragrant. Free flowering. Each, 75c.

**GOLDEN DAWN.** The ideal yellow garden Rose. The lemon-yellow bud, heavily splashed with crimson, develops into a well-formed, sweetly scented, large, double sunflower-yellow flower. Vigorous, free flowering. Each, 75c.

**GRUSS AN TEPLITZ.** This is a rose that succeeds under the most ordinary conditions. In color it is of the richest scarlet, shading to a velvety crimson; very fragrant, a free, strong grower and in bloom all the time. Each, 75c.

**JOANNA HILL.** The buds are large, long pointed and open to large, full, semi-double, long lasting, moderately fragrant flowers of a clear yellow with orange-yellow heart. They are borne singly on long strong stems; growth vigorous, upright, a profuse bloomer. Each, 75c.

**MARY MARGARET McBRIDE** (Pat. No. 537). The buds are deep salmon-pink, almost reddish in fall, and the suffusion of yellow becomes a gold at the base of the petals. As the flower slowly unfurls the coral pink color lightens but always retains its warm glow and finishes as a lovely dawn pink. It has an interesting rose fragrance which increases as the flower opens. Extra good for cutting. Each, \$1.50.

**McGREDY'S SCARLET.** The fragrant, full double flowers are brilliant scarlet, orange-yellow at base of petals, the upper portions being lightly touched with crimson, varying some in color under changing weather conditions but always beautiful. Each, 75c.

**MME. JOS. PERRAUD.** Pointed nasturtium-orange buds with a lovely shade of shell-pink at petal edges. Sweetly fragrant. Each, 75c.

**MME. JULES BOUCHE.** While not a pure white, it is to all intents white and without question the best white everblooming bedding Rose yet introduced. The flowers are large, quite double and of splendid form. It is fragrant, a vigorous grower and very free flowering. Each, 75c.

**MRS. CHAS. BELL.** Lovely shell-pink buds and blooms of fine, globular form with shadings of soft salmon. Fragrant. Each, 75c.

**MRS. E. P. THOM.** Slender yellow buds and large, well-shaped blooms of bright canary-yellow, deepest in center. Blooms very freely. Each, 75c.

**PINK RADIANCE.** An ideal bedding rose that continues to produce its large flowers throughout the most unfavorable hot weather when frequently many other varieties fail. A brilliant carmine-pink, with salmon-pink and yellow shadings at base of petals. Each, 75c.

**PRESIDENT HERBERT HOOVER.** Large flowers of a very charming combination of cerise-pink, flame, scarlet, and yellow, with broad, thick petals; very fragrant. The clean, handsome foliage is an added attraction. The brilliancy of the color is somewhat dimmed by hot weather, but the cool autumn nights develop tones and tints of almost unbelievable richness. Each, 75c.

**ROSE SPECIAL** Any six 75c roses listed on this page for \$3.45 or \$3.75 postpaid within 3rd zone.

See back inside cover page for roses in color and other rose specials.

**RED RADIANCE.** A counterpart of Pink Radiance from which it is a "sport," possessing all the good traits of that valuable variety but differing in color, which is a bright cerise-red. Each, 75c.

**SOEUR THERESE.** (Sister Therese) Long-pointed buds are chrome-yellow, heavily marked with carmine; the open flower is rich daffodil-yellow and holds its color well. The blooms come freely on splendid cutting stems. Each, 75c.

**TALISMAN.** Brilliant gold, cerise, scarlet and pure yellow in a beautiful combination of color. Each, 75c.



Climbing roses in addition to their beautiful flowers are very ornamental against porch or garage.

show a deep watermelon pink on the inside of the petals, gold on the outside; the fully expanded flowers soften to a translucent rosy red with lemon yellow in the reverse. The many flowered clusters of gay blooms almost cover the luxuriant green leathery foliage during the two generous blooming periods, in spring and October. Height about 8 feet. Each, \$1.50.

**NEW DAWN** (Plant Pat. No. 1). Everblooming, soft pink hybrid formed flowers, slightly fragrant. Hardy. Each, \$1.50.

**ORANGE EVERGLOW.** (Brownell) A new hardy everblooming climber of dazzling coppery orange. A fragrant and vigorous bloomer. The first of a series of everblooming climbers introduced by the Brownells. Each, \$2.00.

**PAUL'S SCARLET CLIMBER.** Intense scarlet roses of excellent shape, borne in clusters. Flowers are of large size. Each, 75c.

## Floribunda Everblooming Roses

These new super-polyantha roses are rapidly becoming popular and deservedly so. Hardier than hybrid teas and more resistant to disease, they are more free and persistent bloomers, many of the varieties are never without bloom throughout the season. Flowers come usually in clusters of large individual roses. Ideal for garden display and excellent for cutting.

**BETTY PRIOR** (Pat. No. 340). Wood similar to Red Dogwood, flowers red, turning to shell-pink. Each, 85c.

**DONALD PRIOR** (Pat. No. 377). Large semi-double, fragrant, bright scarlet flowers. A lovely rose. Each, 85c.

**ELSE POULSEN.** Bright rose-pink, semi-double and long lasting. Vigorous, continuous bloomer. Each, 75c.

**GRUSS AN AACHEN.** Orange-pink turning to soft, salmon-pink and white on opening. Each, 75c.

**IMPROVED LAFAYETTE.** Vigorous plant and persistent bloomer. Flowers deep red, loose-petalled double blossoms. One of the best for show or cutting. Each, 75c.

**KIRSTEN POULSEN.** Bright scarlet blooms on long stems, in clusters. Lasting. Each, 85c.

**PINOCCHIO** (Pat. No. 484). An outstanding newcomer to the Floribunda group. The large clusters of lovely salmon-pink flowers are produced in great profusion throughout the season. The individual buds are perfect miniatures of the larger Roses and are a deep salmon-rose. When fully open, each flower is a gem in itself. The foliage is a dark green and ample on the bush. Excellent for cutting. Attractive fragrance. Height 2 feet. Each, \$1.35.

## Climbing Roses

**BLAZE** (Plant Pat. No. 10). Outstanding in every way, bearing double, vivid scarlet blooms; profuse bloomers in spring and intermittent all season. Each, \$1.00.

**CLIMBING AMERICAN BEAUTY.** Rosy crimson flowers 3-4 inches across, produced freely in June and occasionally till frost. Very fragrant. Each, 75c.

**COPPER GLOW** (Brownell). Deep coppery-orange, delightfully spicy fragrance, latest color sensation. Each, \$1.50.

**CRIMSON RAMBLER.** Strong growing climber, producing huge clusters of blazing scarlet flowers. Each, 75c.

**GOLDEN GLOW** (Brownell, Pat. No. 263). This is the spectrum yellow, fragrant, abundant mass color display of which the New York World's Fair management planted 200. Each, \$1.25.

**JUNE MORN** (Pat. No. 375). A rare and lovely color for a climber. The opening buds



## FIELD SEEDS

### FIELD SEED PRICES

Owing to the uncertainty of prices at the time of printing this catalogue, no prices are quoted on Field Seeds in this book but will be given on Special Field Seed Price Lists issued during the season.

See Yellow list enclosed with catalogue.

## ALFALFA

### Selection of Alfalfa Seed Is Most Important.

Poor seed is a primary and great cause of a poor stand. In buying Alfalfa Seed the highest priced seed is often the cheapest. The loss is much greater in using seed of poor quality, than the difference in cost of the seed. This loss comes from the labor thrown away, the stands lost and yields sacrificed by its use, as well as the final expense in getting rid of the weed seeds introduced.

**Inoculation is necessary.** Inoculation means putting or planting in the soil, nitrogen-fixing germs or bacteria without which the Alfalfa cannot flourish—this in spite of soil having had previously, inoculated crops.

### Gould's Reliable Grimm Alfalfa

Grimm is undoubtedly the variety best adapted to our Northwestern climate. Grimm Alfalfa has the hardiness to withstand our northern winters, and is recommended by leading authorities and experiment stations as being the one to plant. Although the cost of the seed is generally much higher than that of ordinary Alfalfa, we consider it the cheapest in the end. See our Special Field Seed price list for prices.

### Minn. Variegated Alfalfa

This Alfalfa, which is grown in Minnesota, is a very fine strain of Alfalfa and can be grown with absolute certainty of its being hardy and sure to produce an abundant crop the second year from planting. Prices are listed on Special Yellow price list.

## CLOVER SEED

### Medium Red Clover

This is the recognized standard of the clover family. It produces two crops each year. The first is generally harvested for hay when in full bloom. The second crop may be harvested for seed, cut for hay, or plowed under for fertilizer. Refer to Special list for prices.

### Alsike or Swedish Clover

One of the hardiest varieties known. It is perennial and does not winterkill. It will do better on moist land than any other variety of clover, and is suitable for either hay or pasture. When sown with other grasses, it forms a thick undergrowth and greatly increases the yield. It is frequently sown both with medium Red Clover and with Timothy, and the quality of hay thus produced is excellent. It is fine stemmed and leafy and quickly cured. It makes a very profitable seed crop in many sections of the Northwest. See Special price list for prices.

### Mammoth Red Clover

This variety is grown mostly for pasture and for soil-ing. It is a very vigorous grower, but is not desirable for hay unless cut when quite young. Prices quoted on Special price list.

### White or Dutch Clover

A low close growing clover, with round white heads. Very fragrant and desirable for beautifying the lawn. It will stand close cutting and very rapidly throws up an abundance of leaves and blossoms. It is usually better to sow with other grasses. Does well on most any soil. Prices given on Special list.

### Sweet Clover (Tall)

This variety makes the most abundant growth of any of the clovers. Because of its dense growth and enormous root system, it is a very valuable soil improving crop. While it is a biennial and normally only grows for two years it will generally reseed itself if allowed to grow to maturity. Ohio Extension Bulletin No. 55 says that an acre of sweet clover will add as much nitrogen to the soil as 20 tons of manure. See Special Field Seed price list for prices.

### Sweet Clover, Yellow Blossom

This variety grows finer and more spreading than the white and is not so tall. It matures more quickly than the White Clover and for a second season the hay crop is probably preferable to White Sweet Clover because of its finer stems. Refer to Yellow price list for prices.

## REED CANARY GRASS

An excellent, hardy, perennial grass especially adapted to low lands where other grasses will not thrive. Will produce two crops a year after the first year. The hay is as good as Timothy and is relished by horses and cattle. Sow 4 to 6 pounds to the acre broadcast or 2 to 3 pounds with drill. See Yellow list for prices.

## GRASSES

### Kentucky Blue Grass

Will outlive any other grasses for pasture or lawn, but should not be cut or pastured too closely in extremely hot, dry weather. The seed is very slow in germinating, therefore, it is advisable to plant with other varieties of quicker growing habits. Makes a sweet and nutritious pasture for all stock. See Special list for prices.

### Rye Grass

Is a very quick growing grass and for that reason makes an excellent pasture. It thrives on rich, moist land, where from three to four cuttings may be made in a season. Grows very quickly and will stand close pasturage. See Special Field Seed price list for prices.

### Red Top

As a hay crop Red Top is next to Timothy in importance. It will do the best on rather moist soil, but will thrive on most any soil. It is a good variety to sow with Timothy or Clover for meadow or pasture, and is more permanent than either of the other two. Prices quoted on Special Yellow price list.

### Crested Wheat Grass

Recommended highly by farm authorities as being one of the most drought-resistant grasses. Grows fast in cool weather, but is more or less dormant in extreme hot weather. When used for pasture, no amount of abuse seems to stop its growth. For hay and pasture, compares favorably with Bromus Inermis. Sow at rate of 12 lbs. to the acre. See Yellow list for prices.

### Meadow Fescue

Especially suited for pasture and is also fine for hay. Succeeds even in poor soil and will endure severe freezing. The hay is very nutritious and cattle thrive on it. Prices quoted on Special Field Seed price list.

### Orchard Grass

Is an early fibrous rooted perennial. Its rapid growth makes it very desirable for pasture. Withstands droughts better than most grasses. Will thrive in the shade such as in orchards and lanes. When closely cropped it grows up quickly again. See Special list for prices.

### Bromus Inermis

This grass is noted for its hardiness and drought resistance. It will grow in any kind of soil and in any kind of weather. Produces an abundant hay crop, and makes an excellent pasture. Bromus Grass thickens up rapidly by underground roots or stems. It forms a dense sod six to eight inches thick, binding the soil and preventing it being wind blown. For prices see Yellow list.

### Timothy

The principal thing to look at when about to sow Timothy, is the quality of the seed. Our reliable seed is of superior quality. Ten lbs. of good Timothy seed is sufficient for one acre, making an inexpensive crop to seed. Prices given on Special Field Seed price list.

### Timothy and Alsike Mixed

For those who prefer to sow Alsike Clover and Timothy together, we have a mixture that has the right proportions for growing a splendid hay crop. See Special Field Seed list for prices.

## MILLET

Millet is grown almost exclusively in these northern states for hay only, and we find that southern grown millet seed will produce a much heavier crop of finer hay than that grown from northern seed. We therefore offer only true southern grown seed in our millets.

### Early Fortune

One of the proso millets that matures in 50 to 60 days after sowing. Seeds reddish brown, head compact. Sow 25 pounds to the acre. See Special list for prices.

### German Millet

The most popular of all millets. Should be cut in full bloom, when it is most tender and sweet. Sow about 35 pounds to the acre. See Special list for prices.

### Hungarian Millet

Is favored by some on account of its rapid growth, maturing about a week or ten days earlier than German Millet. Makes excellent hay. Prices listed on Field Seed price list.

### Japanese Millet

It grows from five to nine feet in height, and produces enormous crops of fine hay. If sown broadcast, sow fifteen to twenty pounds to the acre; in drills at the rate of ten pounds per acre. It does best on low, moist ground. Refer to Yellow list for prices.

### Siberian Millet

Earlier than either German or Hungarian. Very valuable for the North. Is extremely hardy, and drought resistant. Excellent for hay and is not subject to rust. For prices see Special price list.



## FLAX

Flax can be sown only about once in six or seven years on the same ground. It is a splendid crop to grow on new breaking, for it not only produces a good paying crop but it also helps to prepare the soil for future crops, leaving ground in a nice mellow condition. Before sowing, it is especially important to have the ground well firmed. Also be sure that there are no open spaces in the bottom of the furrows, as these are likely to cause the roots to rot. Sow 25 to 30 pounds to the acre, as early as possible and yet avoid the last killing spring frost.

### Bison Flax

A large seeded wilt and rust resistant variety, developed by the No. Dak. Experimental Station. Bison has practically replaced all other older varieties. It will yield on an average, 20 bushels to the acre and some have yielded as high as 30 bushels to the acre. See Yellow list for prices.

## RYE

### Spring Rye

Makes an excellent crop for sowing where winter grain has been killed off or for soiling. It can also be grown for a grain crop by being seeded early in the spring and harvested in the same season, like wheat or oats. Does not grow quite so large a straw as winter rye, but usually yields well. Sow about 1½ bushels to the acre. Latest prices are given on special field seed list.

### Rosen Winter Rye

Has proven itself to be far superior to any other winter rye. It is a heavy yielder with large, well-filled heads and large dark green kernels. The straw is big and strong and will stand the weather better than any other variety. Refer to yellow list for prices.

## SUDAN GRASS

This popular hay and pasture crop is a native of tropical Africa and therefore it is necessary for the soil to warm up in the Spring before planting the seed. It may be sown as late as July or August but its season will then be quite short. It is usually big enough to pasture when five or six weeks old, or sooner if it gets 12 to 14 inches tall. It grows remarkably well during the hot dry weather of July and August. As a hay crop Sudan should be cut from the time the heads begin to appear until the seeds are in the soft, dough stage. The best hay is from the early cutting. Sudan grass is an annual, lacking underground root stalks. Two cuttings can be obtained under favorable conditions, and may yield from 2 to 5 tons of cured hay per acre. If for hay, sow about 25 to 30 pounds to the acre broadcast. If wanted for silage, sow about 10 pounds to the acre in rows and cultivate the same as corn, or it may be sown with fodder corn if preferred. Sudan, if cultivated, will grow to a height of 8 or 10 feet. See Special Field Seed price list for latest quotations.

## WHEAT

### Marquis Type Wheat

A hard red spring wheat, beardless with long heads and very stiff straw of medium length. Kernels are short and thick and very plump. Ripens early, ahead of other spring varieties. Outyields nearly all spring wheats. See field seed list for prices.

### Rival

Rival has been developed by the North Dakota Station and the United States Bureau of Plant Industry. Is a bearded, long strawed variety with a tendency to lodge in years when straw is rank and a tendency to shatter under some conditions. When moisture is ample the stalk sometimes has a purplish color, but by maturity Rival is moderately resistant to stem rust, leaf rust, bunt, loose smut, root and foot rots. It is moderately susceptible to scab and susceptible to black chaff. Rival yields are equal to or higher than Thatcher. The test weight is usually higher. We consider that Rival is superior to the Thatcher. Please refer to yellow list for prices.

### Winter Wheat (Minturki)

The hardest of hard winter wheats, with red beard and strong straw. Originated from a cross between Turkey and Odessa, the crossing being accomplished at the Minnesota Agricultural Experiment Station. It has out-yielded other varieties of winter wheat in Minnesota and seems to be particularly adapted to this state. Of good baking quality. Prices are given on yellow field seed price list.

## OATS

**CULTURE.** Sow oats at the rate of 2 to 2½ bushels to the acre, very early in the spring on a well prepared field with a modern grain drill. Deep seeding on heavy clay soil is often fatal to the crop. Two inches is deep enough on a fine, compact seed bed.

### Gopher Oats

Gopher is a white, early maturing, stiff strawed variety especially adapted for southern Minnesota conditions. It has shown remarkable yielding ability in central Minnesota and is a good yielder on peat land. Gopher is an extra early variety usually maturing before the hot weather and rust have a chance to affect it seriously. Its extreme earliness, resistance to lodging and rust and fine quality make it one of the most desirable oats for this section. See special list for prices.

### N. K. & Co.'s Lincoln Oats

Is another oat that has given very splendid results. Owing to its strong stiff straw it very seldom lodges and may be raised with marked success in very rich soil. Refer to field seed list for prices.

### Vanguard

This is a new rust resistant, good yielding variety originating from a cross between Hajira and Banner. It is of medium maturity, being a few days earlier than Banner; medium height with a spreading medium-sized panicle; kernels are white and medium-sized. This variety was procured at the Dominion Rust Research Laboratory at Winnipeg. See special list for prices.

### Vicland

Vicland is a selection from a cross between the Victoria, a South American strain which is resistant to most oat diseases, and the Richland, a high yielding Iowa oat tracing its ancestry to Russia. The new oat is higher yielding than its Richland parent and has the rust and smut resistance of its South American parent. It is resistant to both stem and leaf rusts and is so resistant to smuts that no seed treatment is recommended. It is an early yellow oat, with a short, stiff straw which stands up better than other grains. Growers report yields of 80 to 120 bushels per acre. See yellow field list for prices.

**APPROX. 70,000,000 LBS. OF AIR-NITROGEN  
ABOVE EVERY ACRE. THIS IS AVAILABLE  
FREE FOR SOIL AND CROP IMPROVEMENT IF YOU  
CONVERT LEGUME SEEDS  
INTO FERTILIZER PLANTS**

Inoculating by **NITRAGIN** with  
SINCE 1898

ALFALFA  
RED CLOVER  
SWT. CLOVER  
COWPEAS  
PEAS  
VETCH  
A. W. PEAS  
SOYBEANS  
LESPEDEZA  
PEANUTS  
BEANS  
ALL LEGUMES

**BUILD UP YOUR SOIL** Inoculate Your Legumes  
With **NITRAGIN**  
Inoculate your Legume seeds even tho planted on  
fields that have been inoculated before. Field tests  
have shown that better crops are harvested when  
Legume seeds are inoculated even when planted on  
fields where inoculated seeds of the same Legume  
crops had grown the previous year.

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**NITRAGIN INOCULATION PRICES**  
When Ordering, ALWAYS State Name of Seed

<p><b>ALFALFA</b> Sweet Clover, Bur Clover, Hubam Clover</p> <p>Size Retail</p> <p>½ bu. ea. .... \$ .30</p> <p>1 bu. ea. .... .50</p> <p>2½ bu. ea. .... 1.00</p> <p><b>CLOVERS</b> Medium and Mammoth Red, Alsike, Crimson and White Clovers</p> <p>½ bu. ea. .... \$ .30</p> <p>1 bu. ea. .... .50</p> <p>2½ bu. ea. .... 1.00</p> <p><b>PEAS (All Varieties)</b> <b>VETCHES (All Varieties)</b></p> <p>½ bu. ea. .... \$ .25</p> <p>1 bu. ea. .... .35</p> <p>1½ bu. ea. .... .50</p> <p>12½ bu. ea. .... 3.50</p> <p><b>BEANS</b> String, Wax, Kidney</p> <p>½ bu. ea. .... \$ .25</p> <p>1 bu. ea. .... .35</p> <p>1½ bu. ea. .... .50</p>	<p><b>LESPEDEZA</b> Hulled or Unhulled</p> <p>Size Retail</p> <p>Small (Inoculates up to 50 lbs. seed) .. \$ .35</p> <p>Large (Inoculates up to 100 lbs. seed) . 50</p> <p><b>LIMA BEANS, COW PEAS and PEANUTS</b></p> <p>Small (Inoculates up to 120 lbs. seed) .. \$ .30</p> <p>5 bu. ea. .... .55</p> <p>25 bu. (one can) ea. 2.50</p> <p>30 bu. (one ctn.) ea. 3.25 (Contains 6-5 bu. cans)</p> <p><b>SOYBEANS (All Varieties)</b></p> <p>Small (Inoculates up to 120 lbs. seed) .. \$ .30</p> <p>5 bu. ea. .... .55</p> <p>25 bu. (one can) ea. 2.50</p> <p>30 bu. (one ctn.) ea. 3.25 (Contains 6-5 bu. cans)</p> <p><b>GARDEN SIZE</b> <b>Garden Peas and Beans</b> Sweet Peas and Lupines</p> <p>Enough for 6 lbs. seed Retail Price 10c each.</p>
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**NITRAGIN — Oldest and Most Widely Used Inoculator in America**



## BARLEY

### Wisconsin No. 38 (Barbless)

A smooth awned barley developed by the Wisconsin station. Resistant to barley stripe. Has a large head and plump kernel, and stands the heat and dry weather better than other varieties. Many yields of 40 to 50 bushels are reported. A fine malting variety. Sow at the rate of two bushels to the acre. **See special yellow list for prices.**

## FIELD PEAS

Are not only profitable as a dry shelled crop, but may also be used for hay, pasture, or soiling with excellent results.

Peas are second only to clover in their soil enriching properties and can be grown under almost any condition of soil or climate.

### Canada Yellow Field Peas

The standard field pea of the Northwest, and needs no description. It is always in demand either as a dry pea for cooking, or for pigeons. **Prices given on special field seed price list.**

### Marrowfat Fancy

Vines grow 4 to 5 feet high bearing long, round pods with 5 to 7 large round peas. Yields abundantly. **See special price list for latest quotations.**

Inoculate peas and beans with Nitragin before planting. **See page 45 for prices.**

## SOY BEANS

Soy beans are one of the most valuable crops one can raise. As a hay crop, soy beans are higher in protein content than clover and equal to alfalfa hay. Are excellent for silage grown with corn. Do not plant too early; about corn planting time or later. Inoculate seed with Nitragin before planting. Cover seed lightly.

**CULTURE.** For silage, the usual amount of corn is planted and soy beans added at the rate of 10 pounds per acre. Seed may be mixed in the planter box and stirred at each row end or planted from separate boxes. The two crops may be grown separately and mixed in the silo cutter two parts of corn to one of soy beans. The beans should be almost ripe when cut.

For hay, plant 60 to 90 pounds per acre in rows 20 to 36 inches apart. Harvest when pods are well filled and leaves commence to turn. Allow to wilt in swath, then rake up and place in small cocks. Curing sometimes requires several days and should be thorough. Soy beans drop their leaves quite easily and should be cut before any number have fallen. They should be handled as little as possible to retain the most leaves.

For hogging off, plant 30 to 60 pounds per acre in rows 20 to 42 inches apart. Twenty-inch rows can be made by straddling every other row with the corn planter. As soon as the beans are matured, turn in the hogs to harvest the crop.

### Richland

This year the government will be very anxious for farmers to plant soy beans to get more oil, and the soy bean answer is, every farmer that can should cooperate by planting the best variety obtainable. We recommend your planting a new variety called "Richland." This variety is about ten days earlier than most of the standard varieties and is of very high oil content, stands straight, pods very heavily, and is an especially desirable bean for good ground. It is suited for growing for seed production in southern and south central corn zones, and for hay production in southern, south central and central corn zones. The height is 30 to 35 inches. Color is light yellow with brown hilum. Sheds leaves earlier than other varieties. Stands well where others lodge, and outyields most other varieties from 1 to 5 bushels per acre. **Prices given on special yellow list.**

### Manchu

This popular variety is especially recommended for the Northwest for hay, dry beans, as well as planting with corn for silage. Beans are yellow, of medium size and mature medium early. Yields of beans will average around 25 bushels to the acre. **See special yellow list for prices.**

## SPELTZ

While not quite equal to oats, it makes a fair horse feed. It yields more than wheat or barley and even the straw if cut slightly green has a good amount of feeding value. **Prices are given on special field seed price list.**

## SORGHUM

As a soiling crop, sorghum will always prove of great value, since at least two crops can be obtained from one sowing. Milch cows are exceptionally fond of sorghum. It is excellent for milk production and a given area furnishes a large quantity of succulent food. Sorghum outyields fodder corn, producing a richer and more nutritious feed of greater value. **Prices given on special list.**

## FIELD CORN

Seed corn is without a doubt the most particular seed crop to be handled of any farm seeds. And it is very important that it receive the care and attention that it should have. Should a man take a chance on planting inferior seed corn and be obliged to replant a second time, his labor would be worth more than the original cost of reliable seed corn.

### Hybrid Corn

Hybrid seed corn is a first generation cross between inbred strains. Inbred strains are developed by continual inbreeding of selected plants for several generations over a period of better than 10 years. Yields of hybrid planted seed corn will average from 7 to 11 bushels per acre higher than the regular varieties. Hybrids possess greater resistance to lodging, greater resistance to drought and considerable higher shelling percentages.

### Kingscrost Hybrid Minn.

### 100 Day Seed Corn

This remarkable hybrid improvement represents eight years of extensive research aimed at a superior development for the 100 to 105 maturity zone. In maturity it compares favorably with standard strains of the variety Minnesota 13. Kingscrost KS attained the seemingly impossible by combining into one hybrid a rare stalk breakage resistance, high yield, and earliness of maturity. No longer is it necessary for northern corn belt farmers to risk the hazards of growing later hybrids for the increased yield. Kingscrost KS developed on an entirely new hybridizing principle has demonstrated in official state trials that it can yield and surpass in standability leading hybrids which are as much as ten days later in maturity. **Prices given on special yellow list.**

### Gould's Reliable Yellow Dent

Gould's Reliable Yellow Dent is an improved strain of Minnesota No. 13, having been selected for several years before it was offered for sale, with the result that it is larger and earlier than the Minnesota No. 13. **Prices are given on special list.**

### Minnesota No. 13

Is so well known that it is unnecessary to devote any space to its description. It is the standard yellow dent for Minnesota, produces a nice uniform ear of fairly good size and maturing about September 1st. **See special field seed list for prices.**

### Hybrid Silo

### 107 days

Here is a corn for silage that will give you a maximum of yield. The quality of the ear corn and foliage is unsurpassed, and of the highest feeding value. **Prices listed on yellow price list.**

### Gould's Reliable Red Cob Fodder

Is a tall growing southern corn that will produce an abundance of feed per acre. The kernel is white and grows on a red cob, thus deriving its name. **Prices given on special field seed price list.**

### N. K. & Co.'s Elephant Fodder

Of the yellow dent type, but grows taller and more leafy than the average yellow dent corn, therefore producing a very heavy yield. **See yellow price list for prices.**

## RAPE

### Dwarf Essex

Rape is one of the surest crops for late pasturing. Is relished by hogs, sheep and cattle. It may be sown as late as July 1st, and produce a very fine fall pasture. **Prices given on special field seed price list.**

## SUNFLOWER

### Mammoth Russian

Are especially useful in the poultry run, as the large leaves furnish shade for young chicks; also, the seeds make a good addition to the poultry ration. They are very rich in oil and protein and are splendid to feed during the moult and winter months. They are also valuable for hogs. **Prices given on yellow price list.**

## BUCKWHEAT

Buckwheat can be sown as late as July and still produce a crop, or it may also be plowed under for soiling. Sow ½ to 1 bushel per acre, as late as possible, and still have crop well developed before severe frosts occur. Light, well-drained soils are best for this crop.

### Japanese

Will produce a larger growth and will stand dry weather better than any other variety. The kernel is large, dark brown and matures very early. **Refer to field seed price list for prices.**



# INSECTICIDES and FUNGICIDES

Due to War Conditions Prices are Subject to Change  
Without Notice

## Adco Weed Killer

A powder that eradicates weeds and does not injure the lawn. 1 lb. covers 100 sq. ft. 3 lbs., \$1.00; 25 lbs., \$4.50.

## Ant-Kill

Rid your home of the ant nuisance. Kill the ants in the nest. Price: Junior Set—1 2-oz. syrup and 2 cups, 35c; Cottage Set—3-oz. syrup and 5 cups, 65c; 3-oz. bottles, each, 25c; 2-oz. bottles, each 20c; ½ pint, 50c; pint, 75c; extra cups, each, 10c.

## Antrol

Quickly destroys all species of sweet eating ants. It is composed of small glass containers and a special syrup. Price: Antrol Ready-filled Set, containing 4 filled feeders, 40c; Antrol Regular Set, 4 containers and 4-oz. bottle syrup—enough for two fillings, 60c; Antrol Syrup for Refilling, 4-oz. bottle, 20c; pint bottle, 50c. Ant Traps, 10c each.

Antrol Ant Powder. 1½ oz., 10c; 4½ oz., 25c.



## Aphis Spray

An improved nicotine spray combining a soft fish oil soap with Black Leaf 40, suitable for the control of all kinds of aphis (plant lice), thrip, leaf hopper and many more hardy insects infesting rose bushes, flowers, shrubs, vines, bushes and trees. Mixes easily with any kind of water. Price: 3-oz. tube, 35c; 12-oz., \$1.00.

## Arsenate of Lead

Recommended for the control of leaf-eating insects on fruit trees, vegetables, flowers, bushes and for killing grubs and earthworms in the lawn. Price: ½ lb., 20c; 1 lb., 35c; 4 lbs., 85c; 24 lbs., \$4.80.

## Atlacide

The non-poisonous weed killer. Kills quack grass, poison ivy and all other undesirable vegetation. 15 lbs., \$3.25; 50 lbs., \$6.50; 100 lbs., \$11.75; 200 lbs., \$23.00.

## Auxilin

A substance that induces roots to grow quickly on cuttings or "slips." A scientific discovery that works like magic. 1/6-oz. bottle will treat up to 600 cuttings. Full directions with each order. ¼ oz., 35c; ½ oz., 75c; 3½ oz., \$4.00; 8 oz., \$8.00. Add 10c for mailing.

## Bait-M

An effective insecticide bait for use against snails, slugs, cutworms, earwigs, sow bugs, grasshoppers, etc. Price: 1½ lb., 35c; 4 lbs., 85c; 15 lbs., \$3.00.

## Black Flag

An effective spray repellent for flies and mosquitoes; also destroying roaches, waterbugs and ants. **Liquid**, ½ pt., 15c; 1 pt., 25c; 1 qt., 39c; 1 gal., \$1.39; 5 gals., \$5.50. **Powder**, ¼ oz., 10c; 2¼ oz., 25c; 5 ozs., 49c; 1 lb., \$1.25.

## Black Leaf 40

This is a 40% solution of Nicotine Sulphate, valuable for the control of plant lice and other sucking insects. It kills by coming in contact with the body of the insect. 1 oz., 35c; 5 ozs., \$1.00; 1 lb., \$2.50; 2 lbs., \$3.70; 5 lbs., \$6.90; 10 lbs., \$11.65.

## Bordeaux Mixture

Prevents and controls blight, rot, mildew, scab, anthracnose and certain other fungus diseases. It stimulates plant growth and almost every kind of vegetable, fruit and shrub can be greatly improved by the early use of Bordeaux Mixture. Price: 1 lb., 35c; 4 lbs., 75c.

## Calcium Arsenate

The cheapest arsenical insecticide on the market and of great economy and efficiency to combat chewing insects on potatoes, vegetables, etc. Price: 1 lb., 25c; 4 lbs., 50c;

## Calcium Chloride (Dow Flakes)

Absorbs moisture from the air and keeps dust down on paths, driveways, tennis courts, etc. 25 lbs., \$1.00; 50 lbs., \$1.75; 100 lbs., \$3.25; 1,000 lbs., at \$2.75.

## Chaperone (Dog Repellent)

**Powder:** A household dog repellent for keeping dogs off rugs and furniture. Odorless to humans and does not stain, but is repulsive to dogs. ½ oz., 25c; 3 ozs., \$1.00.

**Liquid:** For outdoor and garden use. Keeps dogs away from trees, shrubs and plants, 4-oz. size, 50c; 12-ozs., \$1.00.

## Cinnex 20 (Yellow Oxide of Mercury)

Cinnex 20 is a mercuric potato seed treatment. The main component is mercuric oxide. This is the safest seed treatment for potatoes known. 1 lb. treats 40-50 bu. Price: 1 lb., 85c; 5 lbs., \$4.00.

## Copper Carbonate

An efficient dust for the control of smut on wheat. 5 lbs., 50% strength, \$1.75.

## Copper Sulphate (Blue Vitriol)

Is used for making Bordeaux Mixture by dissolving 4 pounds Blue Vitriol and 4 pounds Hydrate or Stone Lime in 50 gallons of water. This will make a 4-4-50 Bordeaux. By using 5 lbs. Blue Vitriol and 5 lbs. lime one can make a 5-5-50 Bordeaux. 1 lb., 25c; 5 lbs., \$1.00; 25 lbs., \$3.00.

## Corrosive Sublimate

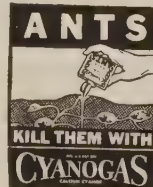
Very effective against seed-borne diseases of potatoes, cabbage, cucumbers, etc., also for the control of root maggot in cabbage, cauliflower, radish and other allied crops. Please ask for price.

## Cuprocide (Red Cuprous Oxide)

A powder for treating seeds against damping off and other fungus diseases. 4 ozs., 35c; 1 lb., 90c; 5 lbs., \$4.00.

**Cuprocide 54-Y** 3-lb., \$1.15; case (16 3-lb. bags), \$15.50.

**Yellow Cuprocide.** A fungicide spray that is very popular due to its ultra-fine powder particles. Resists rain, will not clog sprayer, is non-corrosive, no messy mixing and contains no lime which injures some crops. 3 lbs., \$1.45; 1 case, 48 lbs., \$20.16.



## Cyanogas Ant Killer

Ants die instantly when you drop a little Cyanogas Ant-Killer into the entrance of the nest. 4-oz., 30c.

## Cyanogas (Calcium Cyanide)

**Cyanogas A. Dust.** For ants, moles, rats, gophers. Grade "A" Cyanogas is recommended because of its ease of application and high efficiency. Highly recommended for rat control. ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00.

**Cyanogas G. Fumigant.** Insects which do not yield to stomach poisons as a rule can be controlled by fumigation and Cyanogas G. is a standard for greenhouse fumigation. Ease of application, high efficiency and low cost have gained for Cyanogas G. Fumigant the endorsement of leading growers all over the world. 5 lbs., \$3.00; 25 lbs., \$10.00; 100 lbs., \$25.00.

## Acme Dawg-Gone

Not necessary to place tube in every tree unless standing alone. The odor slowly emanating from the open tube will keep dogs at a distance from six months to a year winter or summer. Tube—25c, 4 for 95c; 1 doz., \$2.75.



## Dendrol

An improved miscible oil for Dormant and Delayed Dormant spraying of Fruit and Shade trees and shrubbery. We have an interesting booklet on Dendrol and its uses. 1 qt., 75c; 1 gal., \$1.25; 5 gals., \$4.10.



## Dogzoff

Protects your evergreens, trees, plants, birds, lawns from dogs, cats, moles, mice, rabbits, etc. There is nothing offensive to humans about Dogzoff. Price, 60c.

## Dutox

Can be used as a spray or dust for the control of the potato beetle, cucumber beetle, bean beetle, etc. 1 lb., 30c; 6 lbs., \$1.25.

## Emo

A summer oil spray recommended as a contact spray in the control of white flies, rust mites, blister mites, mealy bugs, red spiders, certain scale, and other insects. Price: 8 oz., 30c; 1 pt., 50c; 1 qt., 70c; 1 gal., \$1.95.

## Emo-Nik

Here is a complete contact insect spray combining nicotine in its most active form with Emo, a high quality summer oil emulsion. Recommended for control of aphis, mealy bugs, red spider, thrip, white flies, rust mites, mildew, pine tree scale, certain scale insects, and certain other garden pests. Price: 4½ oz., 35c; 1 pt., 65c; 1 qt., 95c; 1 gal., \$2.50.



## EVER GREEN Garden Spray

Ever Green Garden Spray is a powerful, odorless, Rotenone-Pyrethrum spray containing soap and a minimum of water. Simple to use. No complicated or confusing instructions. Deadly to many common varieties of both sucking and chewing insects in the home garden—such as aphis (plant lice), leaf tiers, cabbage worms, Mexican bean beetles, and rose slugs. Will not harm the most tender foliage. 1 oz., 35c; 6 oz., \$1.00; 16 ozs., \$2.40; gal., \$12.20.





## INSECTICIDES AND FUNGICIDES CONT.



### Formicide (Formaldehyde Dust)

A triple strength seed and soil disinfectant used as a control of damping-off also makes seedling plants stronger and healthier. Controls Oat Smut and seed borne diseases of grain.  $\frac{1}{2}$  lb. 50c; 1 lb., 85c; 5 lbs., \$2.50; 25 lbs., \$10.00.

### Formaldehyde

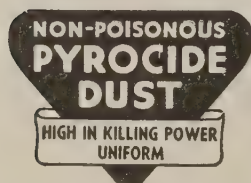
Recommended for protection against seed-borne diseases. Will prevent potato scab, oats smut and stinking smut of wheat, also onion smut. 1 lb., 40c; 1 qt., 75c;  $\frac{1}{2}$  gal., \$1.35; 1 gal., \$2.50. Ask for price on larger quantities.

### Fruitone

Hormone spray for preventing preharvest drop of apples. Holds apples on the tree longer. 2-oz. can, \$1.00; 12-oz. can, \$5.00.

### Fungtrogen

Controls mildew, black spots and other fungus diseases on roses and other plants; also stimulates vigorous plant growth. 1 pt., \$1.25; 1 qt., \$2.00;  $\frac{1}{2}$  gal., \$3.50.



### Gould's 10% Pyroicide Dust

An entirely new type of dust insecticide, so powerful that it controls squash bug. Used by growers of fruits and vegetables universally for controlling aphids, cabbage worms, Mexican bean beetles, cucumber beetles, leaf hopper, leaf ticks and many other chewing and sucking insects. 1 lb., 30c; 10 lbs., \$2.50; 25 lbs., \$4.00.

### Gould's Tobacco Dust

Gould's Tobacco Dust may be used in the seed bed to prevent maggots. Especially valuable against root lice on asters and other plants. 1 lb., 20c; 3 lbs., 50c; 5 lbs., 75c; 10 lbs., \$1.25.

### Grafting Wax

This Grafting Wax has an even consistency which will give best results for sealing cuts or bruises in fruit and shade trees.  $\frac{1}{4}$  lb., 20c;  $\frac{1}{2}$  lb., 35c; 1 lb., 65c; 5 lbs., \$2.25.

### Grape Dust

A powder preparation which is very effective in destroying blights. Especially recommended for mildew on roses and grape vines. Preferable applied with dust-er. 1 lb., 35c; 5 lbs., \$1.25.

### Kopper King (A Scientific Bordeaux Spray)

Kopper King is a basic copper sulphate, a fungicide requiring no lime to keep it from burning. Kopper King contains 50% copper, twice as much as ordinary copper sulphate (common bluestone). Can be used either as a liquid spray or combined with a carrier in making a homemade dust. Price: 1 lb., 45c; 4 lbs., \$1.05.

### Kopper Queen (Mildew Spray)

A strong liquid copper spray for the control of mildew, leaf spot, and black spot on rose bushes, flowers, and many other kinds of foliage. Stainless, leaves no unsightly residue. Use as a liquid spray replacing Bordeaux Mixture and Sulphur. Price:  $\frac{1}{2}$  pint, 35c; pint, 60c; qt., 90c; gal., \$2.25.

### Kopper Shield Pruning Paint

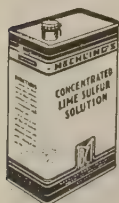
A liquid paint for treating trees, etc.  $\frac{1}{2}$  pint, 30c; pint, 45c; qt., 75c; gal., \$2.35.

### New Lethane 440

An effective spray against red spider and mealy bug, as well as all sucking insects. 1 qt., \$2.00; 1 gal., \$6.00. Lethane Spreader—1 qt., 75c; 1 gal., \$1.80.

### Lime Sulfur Powder

For use in dormant spraying against scale, peach blight, leaf curl and twig borer. Summer spraying against scab, blotch, red spider and mite. Price, 1 lb., 35c; 5 lbs., \$1.45; 25 lbs., \$4.00.



### Lime-Sulphur, Concentrated Solution

Convenient to use, free from sediment, requires no preparation other than stirring into water. One of the best remedies for San Jose scale. 1 qt., 45c; 1 gal., 90c; 5 gal., \$3.75. Barrel price on application.



### London Purple

A favored insecticide for fifty years—now stronger and better than ever. For use on potatoes, sugar beets and many other shrubs and vegetables damaged by leaf-chewing insects. Price:  $\frac{1}{4}$  lb., 15c; 1 lb., 30c; 4 lbs., 50c.

### Meo-181, Kills Crab Grass, Weeds

Destroys dandelion, plantain, crab grass, and other common weeds. One spraying does the trick—yet only temporarily browns lawn grass. Complete instructions with every package. 1 gallon treats 200 sq. ft. Qt., 65c; gal., \$1.55; 5 gals., \$7.25.



### Mercurnol

A simple, effective and economical seed treatment for potatoes. It eliminates danger of planting seed potatoes infected with scab, blackleg and Rhizoctonia. 1 pt., \$1.00.

### Multicide (New Improved)

Now contains pyrethrins and rotenone, also new improved spreader. Dilutes readily, even in hard water. Kills aphids, harmless to tenderest plants. 1 gal., \$10.35.

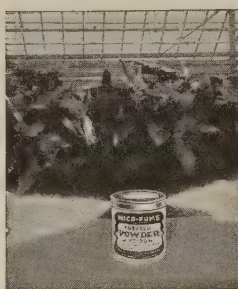
### Naphthalene Flakes

Is used for the repelling of such soil pests as: wire worms, maggots, moles, gophers, etc. It can be used without burning or flavoring even the most tender root crops. Highly recommended by bulb growers for protection against thrips, white fly and certain other insects. Crude,  $1\frac{1}{2}$  lb., 35c; 5 to 25 lbs., 20c per lb., 25 lbs., and up at 15c per lb.

Refined, 1 oz., 10c; 2 oz., 15c;  $\frac{1}{2}$  lb., 25c; 1 lb., 35c.

### Nico Fume Liquid

A highly refined solution of free nicotine for greenhouse fumigation. 1 lb., \$2.45; 4 lbs., \$6.55; 8 lbs., \$11.25.



### "Nico-Fume" Pressure Fumigator (Tobacco Powder)

A greenhouse fumigant, effective for destroying aphids, thrips, etc. The one-pound can will fumigate about 25,000 cubic feet—a house 80 to 100 feet long, 25 feet wide, averaging about 10 feet high. 1 lb., 85c; six 1-lb. cans, \$4.00; case of twelve 1-lb. cans, \$7.40;  $\frac{1}{2}$  lb., 50c; six  $\frac{1}{2}$ -lb. cans, \$2.60; case of twelve  $\frac{1}{2}$ -lb. cans, \$4.45.

### No-Crow

Is used to prevent crows, black-birds, gophers and other rodents from pulling and eating seed corn after planting.  $\frac{1}{2}$  pt., 60c.

### Paris Green

For combating the potato bug and other chewing insects. Price:  $\frac{1}{4}$  lb., 20c; 1 lb., 55c; 5 lbs., \$2.35; 14 lbs., \$5.40.

### P. D. Spray

The best spray for the box elder beetle. Kills mosquitoes, spiders, flies, moths, fleas, ants, bedbugs, roaches. 12 oz., 25c; 1 qt., 60c;  $\frac{1}{2}$  gal., \$1.10; 1 gal., \$2.00.

### Pomo-Green

A leaf-green sulphur dust containing Arsenate of Lead. A highly effective combined fungicide and insecticide. 1 lb., 50c; with nicotine, 1 lb., 75c.

### Pyrox (With Nicotine)

For the control of many chewing and sucking insects, blight and plant diseases. 1 lb., 60c; 5 lbs., \$1.75.

### Red Arrow Garden Spray

Non-poisonous pyrethrum spray containing soap. Kills many varieties of both chewing and sucking insects. 1 oz., 35c; 4 ozs., \$1.00; pt., \$2.85; qt., \$5.00.

### Red River Potato Mix

A scientific development combining a new patented copper fungicide with quick-killing arsenic. Kills potato bugs quicker, drives off flea beetle and leafhopper, prevents blight from gaining a foothold, stimulates foliage, making more and better potatoes. Complete control as a dust or spray. Price: 1 lb., 35c; 4 lbs., 85c.



### Rodent Repellent

Protects fruit trees and shrubbery from rabbits, mice and other rodents. It will remain effective throughout the winter. Does not injure any tree or shrub. Liquid, 1 qt., \$1.25; 1 gal., \$4.00.

## ROOTONE

Reg. U. S. Pat. Off.

### A Hormone Powder for Rooting Cuttings

Dip cuttings in Rootone before planting to give faster, better, more successful rooting. Mix flower, vegetable or grass seed with Rootone before planting to give faster growth and stronger roots. Easy to use.  $\frac{1}{4}$  oz. packet, 25c; 2-oz. jar, \$1.00; 1-lb. can, \$5.00.



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**Farm Journal and Farmer's Wife** does not generally offer one year subscriptions; but since we believe that reading this splendidly illustrated farm, household, garden and news magazine is the greatest benefit to our friends and patrons, and so indirectly to us, the Publishers have co-operated by making this

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For folks who live in the Country and love the Country. Printed on fast-running presses, this Month-Ahead Magazine gets the important news to you first when it is valuable and useful.

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decorations, fashions, fancy-work, health and beauty. Foods, recipes tested in our own Farm Kitchen. Features on country life. Farm Women's letters, etc. Fiction by nationally known authors.

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ACME  
Complete



**ROSE SPRAY**

Will Not  
Discolor  
Foliage.

A spray treatment for roses and flowers of all kinds. Eliminates guess work. Made to combat all the three major classifications of blight and insect pest and solve the entire spraying problem. No other spray needed. Complete all-round protection. Surprisingly economical.

No. 3 protects 7 to 12 bushes all season.....\$0.95  
No. 6 protects 15 to 25 bushes all season..... 1.50  
No. 24 protects 60 to 100 bushes all season..... 4.00  
No. 48 protects 120 to 200 bushes all season..... 6.00  
No. 96 protects 240 to 400 bushes all season..... 9.75



### Garden Guard

Noninjurious to humans yet effective both by contact and as a stomach poison against insects. Especially recommended for use on cabbage, cauliflower, string beans, currants, and sweet corn. Price: 1-lb. sifter carton, 40c; 4 lbs., 75c; 50 lbs., \$7.75.

### Rotocide

Both a contact and stomach poison. Kills mealy bug, beetles, thrips, aphids, etc. 1 oz., 35c; 8 ozs., \$1.00; 1 pt., \$1.75; 1 qt., \$3.00; 1 gal., \$8.00.

### Dubay Seed Disinfectants

**Semesan—for vegetable and flower seeds.** Prices: 1/3 oz., 10c; 2 ozs., 40c; 1 lb., \$2.50; 5 lbs., \$11.40; 25 lbs., \$52.50.

**Semesan Bel—for seed potatoes.** One pound treats 60 to 80 bushels of seed. Prices: 2 ozs., 30c; 1 lb., \$1.65; 5 lbs., \$7.15; 25 lbs., \$33.25; 100 lbs., \$125.00.

**Semesan Jr.—for field and sweet corn seed.** Use two oz. per bu. of seed. Prices: 1½ oz., 15c; 1 lb., 75c; 5 lbs., \$3.00; 25 lbs., \$12.50; 100 lbs., \$45.00.

**Ceresan—for wheat, oats and barley.** One-half ounce treats one bushel of seed. 4 ozs., 30c; 1 lb., 80c; 5 lbs., \$3.40; 25 lbs., \$15.00; 100 lbs., \$55.00.

**Special Semesan—a grass disinfectant for brown patch.** 8 oz., \$1.00; 5 lbs., \$7.80; 25 lbs., \$36.00; 100 lbs., \$135.00.

**Nu-Green—for the prevention and control of brown patch in lawn, golf courses, etc.** 3 ozs., 40c; 1 lb., \$1.60; 5 lbs., \$6.85; 25 lbs., \$31.25; 100 lbs., \$117.50.

### Selocide

A red spider spray for the commercial grower. 1 gal., \$3.50.

### Sheps Plant Spray

An improved, non-poisonous spray that kills and controls nearly all garden insects. No soap needed. ½ oz., 10c; 1½ oz., 25c; ½ pt., 75c; 1 pt., \$1.35; 1 qt., \$2.25.

### Slug Shot

Very popular insecticide; harmless to humans, or fruits and vegetables treated. Very effective in destroying cabbage and cauliflower worms, potato bugs and beetles, etc. 1 lb., 30c; 5 lbs., \$1.20; 25 lbs., \$5.50.

### Snarol (Kills Cutworms, Slugs and Sow Bugs)

Snarol kills cutworms, sow bugs, grasshoppers, slugs, etc. A ready prepared poison that destroys those pests quickly. 1 lb., 25c; 2½ lbs., 50c; 10 lbs., \$1.50; 50 lbs., \$5.50.

### Spray Soap

A fish oil soap effective in destroying many sucking insects. If used with nicotine it greatly increases the value of that spray. Price: 1 lb., 35c; 5 lbs., \$1.50.

### Stop—for tree banding

Is a sticky substance used to band trees, shrubs and vines, to prevent insects from crawling up to the foliage. 6 ozs., 35c; 1 lb., 65c; 5 lbs., \$3.00; 10 lbs., \$5.00.

### Sulphate of Iron (Weed Killer)

Kills dandelions and weeds. Dilute 1 lb. to 1½ gallons of water. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.

### Sulphur Dusting, Wettable

An improved dusting sulphur for home use which can also be used as a liquid spray. Recommended to control mildew, leaf spot, black spot and rust on rosebushes, chrysanthemums, snapdragons, carnations, and certain other foliage; also red spiders on evergreen. Price: 2-lb. carton, 30c. In bulk: 5 lbs., 60c; 10 lbs., \$1.10; 25 lbs., \$2.25; 50 lbs., \$4.00; 100 lbs., \$7.00.



### Tartar Emetic

A highly recommended spray for gladioli thrip. Spray once a week after plants reach 6 inches in height with the following mixture: 8 level tablespoonfuls Tartar Emetic, 1 lb. brown sugar to 5 gal. water. Do not spray open blooms. 1 oz., 25c; ¼ lb., 55c; 1 lb., \$1.50.

### Terogen

For autumn-winter soil treatment. Will give your roses a better start next year. In successful use for more than twenty years. 1 lb., 75c; 2 lbs., \$1.25; 5 lbs., \$2.75.

### Terro Ant Kill

One of the oldest and best ant killers, in syrup form. Ants disappear over night. 25c and 50 cent sizes.

### Terro Roach Killer

Kills roaches and water bugs quickly. 4-oz. can, 35c.

**TRANSPLANTONE**  
Reg. U. S. Pat. Off.

The vitamin-hormone stimulant. 1 oz. makes 1,000 gallons solution. The most effective form of Vitamin B1. Use

on all kinds of flowering plants, vegetable plants, shrubs, seedlings or trees when planting. Multiplies roots and makes better plants. Effective in hard or soft water. ½ oz., 25c; 1 oz., 50c; 3 ozs., \$1.00; 1 lb., \$4.00.

### Tree Tanglefoot

Should be applied to trees in March and April here in the Northwest, to control the canker worm and prevent it from stripping the leaves from shade and fruit trees. It's easy to control the canker worm if you do it early, trees breathe through their leaves, when leaves are eaten off, the tree dies. Tree Tanglefoot also controls ants and other worms and moths from crawling up the tree. 6 ozs., 45c; 1 lb., 80c; 5 lbs., \$3.75; 10 lbs., \$7.00; 25 lbs., \$15.00.



### "43" for the Tree

Liquid or plastic compounds for use in tree surgery in healing injury or wounds in trees or shrubs. Use Plastic "43" for cavities—Liquid "43" to paint over surface wounds, pruned trees at sawed off limbs, etc. Also to coat around bottoms of trees to aid in preventing rabbits, small animals and insects from attacking the tree.

**Plastic.** ½ lb., 25c; 1 lb., 45c; 2½ lbs., 75c; 5 lbs., \$1.25; 10 lbs., \$2.00; 50 lbs., \$6.25.

**Liquid.** ½ pt., 25c; 1 pt., 45c; 1 qt., 75c; ½ gal., \$1.25; 1 gal., \$2.00; 5 gals., \$6.25.

### Triad (Kix)

A combination fungicide and contact insecticide for the control of black spot, mildew and insects on roses. 4 oz., 65c; ½ pt., \$1.00.

**TRI-GEN**  
Reg. U. S. Pat. Off.

### Rose Garden Spray Treatment

**Positive protection against all Insects and Diseases**  
TRI-GEN gives complete protection against all plant insects and diseases, including black-spot, mildew, aphids (plant-lice), slug worms, caterpillars, etc. Especially recommended for roses, asters, snapdragons, carnations, hollyhocks, delphiniums, phlox, chrysanthemums, zinnias, golden glo, dahlias, and many other plants.

**A—Kit.** Protects 12 to 20 roses for season.....\$1.50

**B—Kit.** Protects 50 to 80 roses for season..... 4.00

**C—Kit.** Protects 100 to 160 roses for season..... 6.00

**D—Kit.** Protects 400 to 600 roses for season.....20.00



## Insecticides and Fungicides—Cont'd.

### Vitamin B-1

Is the sensational discovery containing a mysterious something that stimulates plant growth, increases size and number of blooms amazingly, by producing reinvigorated root growth.

**Vitamin B-1 Crystalline Powder.** 1/10 gram bottle, enough for small garden during an entire season. Price, \$1.00.

### Volck

**Garden Volck** is a Volck-Nicotine combination spray to control aphids, thrips, scale, mealy bug, cyclamen mite, leaf hopper, red spider, white fly, leaf spot, mildew, rust, squash bug, etc. 3 1/2 ozs., 35c; 1 pt., \$1.00; 1 qt., \$1.50.

**Nursery Volck** is the high quality Mineral Oil Spray for general nursery, greenhouse and garden use. 1/2 pt., 35c; 1 qt., 75c; 1 gal., \$2.25; 5 gals., \$9.00.

### Weed Killer, Acme

A quick-acting weed killer for destroying weeds and all plant life on driveways, tennis courts, paths, etc. More widely used, however, in spotting out dandelions, plantain and other noxious weeds in the lawn by applying a few drops of undiluted Weed Killer to the crown of the plant. Price: 1 pt., 35c; 1 qt., 55c; 1 gal. \$1.60.

### Weed Killer, H. W. K.

Destroys weeds, poison ivy and all vegetation on roadways, paths and tennis courts. Dilute with 40 parts water and apply with sprinkling can. Qt., 50c; gal., \$1.50; 5 gal., \$6.25.

### White Hellebore

Especially valuable in controlling worms on ripening fruit as it loses its poisonous effect within a few days after application. 1/4 lb., 55c; 1 lb., \$1.75.

### Zotox—Kills Crab Grass

Zotox, a new liquid Chemical, kills both the plant and seeds of Crab Grass and checks reinfestation. DOES NOT DESTROY LAWN GRASSES and is non-injurious to soil. Proved by 4 years of tests. This new easy method does away with laborious raking and weeding. Simply mix Zotox with water and spray on. A 16-oz. bottle treats 2,000 sq. feet. For "spot" treatment of small patches it goes much farther. Prices: 8-oz. bottle, \$1.00; 16 ozs., \$1.50; 32 ozs., \$2.50; 5 lbs., \$4.50. Ask for free leaflet.



## SPRAYERS

### Dobbins Bucket Spray Pump

Adapted for spraying fruit trees and vines, garden truck, ornamental shrubs and hedges, for use with whitewash, cold water paints, disinfectants and insecticides, or in an emergency as a fire pump. Can be used with a bucket or small tank. High foot rest permits use with larger pails. Nozzle discs reversible or removable, producing any type of spray from finest fog to solid stream. Price, \$4.00.

### The Hudson Ideal

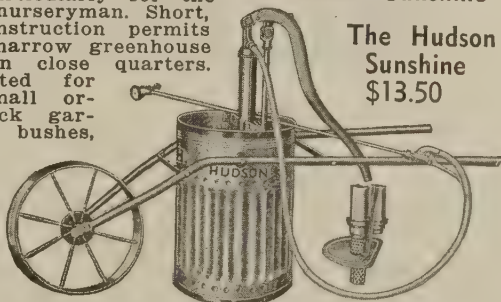
(Similar to Sunshine, shown below.) A high pressure portable outfit. Maintains working pressure of 200 lbs. A handy outfit for the orchard, truck garden, dairy barn, poultry house or cattle pen. Handles whitewash, coldwater paints, insecticides, stock dips, remedies, etc. Capacity 18 gal. Price, \$20.25.

### The Hudson Sunshine

**The Hudson Sunshine**  
\$13.50

Designed particularly for the florist and nurseryman. Short, compact construction permits its use in narrow greenhouse rows and in close quarters. Also adapted for spraying small orchards, truck gardens, berry bushes, etc. for whitewashing and disinfecting poultry houses, dairy barns, hog pens, spraying

stock, dips and poultry remedies, treating ornamental shrubbery, flowers and lawns. 12 1/2 gals. capacity.



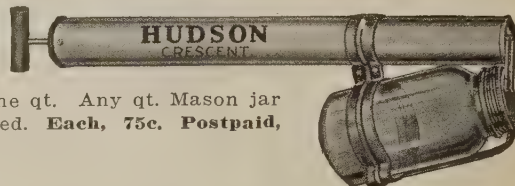
### Dobbins Fun-L-Fill Sprayers

These are outstanding sprayers in the low-price field. An exclusive lipped funnel prevents slopping and greatly adds to the ease and economy in filling.

**No. 22G**—Galvanized tank. Capacity 3 1/2 gallons. Price..\$5.50

**No. 21GS**—Galvanized tank. Capacity 3 1/2 gallons. Price..\$4.75

### The Crescent



Capacity one qt. Any qt. Mason jar can be used. Each, 75c. Postpaid, 85c.

### ARNOLD GARDEN HOSE SPRAYER



The Arnold Garden Hose Sprayer attaches to your garden hose in place of the regular nozzle. Special Soluble Arnold Cartridges for insect and plant disease control fit the cartridge chamber. As water in the hose passes through the chamber, the cartridge is dissolved in sufficient quantity to provide the correct control solution.

**Complete Sprayer, chromium finish .....\$4.00**

**Combination Set, Sprayer and 6 Cartridges..... 5.75**

**Arnold Junior Size, metal chamber..... 2.75**

**Arnold Midget Sprayer and one B1 cartridge..... 1.50**

**Arnold Special Sprayer, transparent chamber..... 3.25**

**36-inch Extension ..... 1.75**

**Sub-Surface Feeder and Irrigator..... 1.75**

**Arnold Cartridges**

All listed below, 35 cents each, 12 for \$4.00.

**Pyr-O-Spray**

**Rot-O-Spray**

**Vitamin-B1**

**Nic-O-Spray**

**Arsen-O-Spray**

**Cleanswell (Auto**

**Funguspray**

**Sulph-O-Spray**

**Wash)**

**Cop-Ar-Nic**

**P-R (Pyrethrum-Rotenone)**

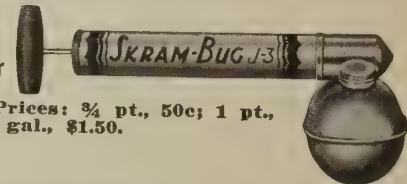


### Insect-O-Gun

Kill insects with your garden hose. By simply using the water pressure in a garden hose you can now effectively spray your flowers, trees and shrubs with the same efficient results secured by power spraying methods. Applies all insecticides as easily as sprinkling the lawn. Pt. size, \$4.95.

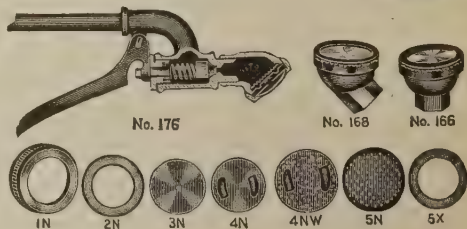
### Skram-Bug Sprayer

A no-drip sprayer. Prices: 3/4 pt., 50c; 1 pt., 65c; 1 qt., \$1.00; 1/2 gal., \$1.50.



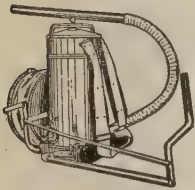
### Hudson Sprayer Parts

We carry a complete line of parts and washers.





## DRY POWDER DUSTERS

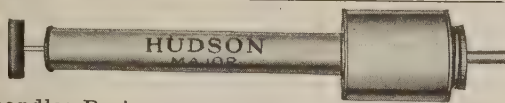


### Beauty Dusters

Can throw dust to the top of 25-foot trees. Dusts truck crops, including underside of leaves, at an average walking speed. Does not choke or clog. A most efficient duster.

American Beauty.....\$25.00  
California Beauty.....20.00

### Hudson Major Duster



The Major handles Paris green, arsenate of lead and similar poisons. With 2—12-inch extensions. Price, 90c.



### Hudson Admiral Duster

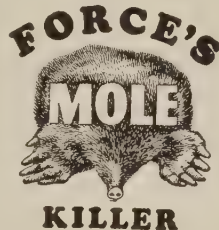
Particularly effective and economical with such high priced dusts as Rotenone, Pyrocide, Pyrethrum, and Derris. Price, 4½ inch chamber with 24-inch extension, \$1.20; 8-inch chamber with 24-inch extension, \$1.35.

## RODENT DESTROYERS

### Sweeney's Poison Wheat

Sure death to rats, mice, moles, and gophers. Price, 15c, 30c, and 60c, carton.

Force's Mole Killer Pellets will destroy the pests. Compounded from foods the moles naturally eat and containing a poison that is deadly to them, these pellets reach the pests right where they live—in the ground. And that's where they die. Although one application may be sufficient, more drastic measures may be necessary when the runways are extensively interlaced. 35-pellet size, 25c; 75-pellet size, 50c; 185-pellet size, \$1.00; 875-pellet size, \$3.25.



A poison in tablet form—easy to use. "Gopher Death" is made of food the rodents love and seek and the poison is so carefully concealed in the tablets they do not detect it. Kills pocket gophers, ground



### Gopher Death

squirrels, etc. Price, 75c.

### Cyanogas (Calcium Cyanide)

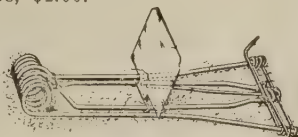
**Cyanogas A. Dust.** For ants, moles, rats, gophers. Grade "A" Cyanogas is recommended because of its ease of application and high efficiency. Highly recommended for rat control. 4 oz., 30c; ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.00.

### Force's Gopher Killer

Force's Gopher Killer is the result of extensive research in preparation and experiments which definitely disclose its thorough effectiveness in the control of gophers. Force's Gopher Killer made in ready-to-use pellets, is easy to use. Has no harmful effect on the soil or vegetation. Reaches these pests right where they live—in the ground. And that's where they die. Prices: 60 pellet size, 50c; 175 pellet size, \$1.00.

### Macabee Gopher Trap

This is the most successful Gopher Trap ever offered. It is simple and easy to set, and a sure catch. Each, 35c; doz., \$3.50.



### Dead Sure Rodent Destroyer

A poison gas cartridge that kills gophers, squirrels, moles, rats or any animal that burrows in the ground. 60c a doz.



### Gould's Minnesota Gopher Poison

A pocket gopher poison put up according to the formula recommended by the University of Minnesota. If you are troubled with pocket gophers try this proven remedy. Price, 50c.



### Felix Girard Red Check Rat and Mouse Exterminator

(Formerly Red Cross)

A new trade mark on an old favorite. Simple and easy to use. Prices: 25c, 50c and \$1.00 sizes.

### Rat-Bombs

Relatively harmless to humans and domestic animals, yet very effective in killing rats. 15c and 50c sizes. Postage 10c extra.

### K-R-O (Kills Rats Only)

This wonderful exterminator, K-R-O, will rid your premises without endangering your pets, livestock, poultry, etc. Is harmless to animals other than rats and mice. Price 75c. Ready mixed bait, small size, 35c; 22 oz., \$1.00.

### Mouse and Rat Seed

A seed treated with a chemical, that due to its peculiar flavor the mice or rats eat in preference to anything else. As soon as they eat the kernel, they go outside for air and water and die. Has been tested and approved by the Good Housekeeping Institute.

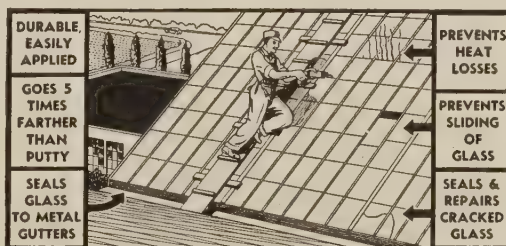
**Mouse Seed.** 1¼-oz. pkg., 25c; 1 lb., \$1.50.

**Rat Seed.** 1-lb. carton, 50c.

### Paint

It is with pride that we offer you the well known and old Bradley & Vrooman Co. brand of paints, varnishes, etc. Their products are, in our estimation, the best that money can buy. Try some this year. You, too, like thousands of others will be singing the praises of Bradley & Vrooman paints. Prices are pleasingly low for such good paint.

**Bradley & Vrooman Co.**  
Good Paint Since 1879.



### Rozak Sealing Compound For Greenhouses

For sealing glass and repairing air or water leaks in the greenhouse. Pt., \$1.00; qt., \$1.75; gal., \$5.25.

**Caulking and Glazing Gun** Prices, \$3.00 to \$5.00 each.

### Hotbed and Greenhouse Putty

\$1.55 to \$3.00 per gallon; 5 gallons \$7.25 to \$14.50.

**Peerless Glazing Points** 1,000 to the box at 85c.

### Plantet

Grow plants indoors without soil with Plantet—the easiest and most satisfactory way. Plantet can also be used as a complete fertilizer for plants in soil. 8-oz. size, 75c; with full directions for using.

### Weatherproof Pencil

Special rain and weatherproof pencil. Each, 10c.





Top quality and big yields in your vegetable garden assume new, gigantic proportions in your planning this year. Heretofore commercial supplies could always be depended upon to fill your needs if your garden failed. Under war conditions, yours must be a real VICTORY GARDEN.

Successful vegetable gardening requires that the plants have an ample supply of food elements available for their use in the soil. VIGORO Victory Garden Fertilizer is a complete plant food. It will supply your garden with all of the elements scientists have proved plants require from the soil and which are known to be deficient in many soils.

VITAMIN and mineral content of vegetables is dependent to a large extent upon

the nutrients of the soil in which they are grown. Not only are users of VIGORO Victory Garden Fertilizer rewarded with bigger yields and earlier maturity, but their vegetables are richer in minerals, vitamins and flavor.

Order a supply for your vegetable garden when you send in your seed order. Allow 4 pounds per 100 square feet of vegetable garden area.



## VICTORY GARDEN FERTILIZER

Government Regulation Permits the Sale and Use of Vigoro Victory Garden Fertilizer for Food Production only.

### 8 GOOD REASONS WHY YOU SHOULD USE

#### VIGORO VICTORY GARDEN FERTILIZER

Improves them all:

1. Mineral richness.
2. Flavor.
3. Yield.
4. Maturity.
5. Keeping quality.
6. Tenderness.
7. Appetite appeal.
8. Vitamin content.

#### Vigoro Prices:

100-lb. bag.....	\$4.00	10-lb. pkg.....	80c
50-lb. bag.....	2.50	5-lb. pkg.....	50c
25-lb. bag.....	1.50		

F. O. B. St. Paul



## FERTILIZERS

When not priced or for larger amounts, see Special Yellow Price List. Prices subject to change without notice.

### Agricultural Gypsum or Land Plaster

Is a fertilizer containing calcium and sulphate sulphur. Also used as a dust against the cucumber beetle and squash bug by dusting on and around the plants when infested. 5 lbs., 25c; 25 lbs., 60c; 100 lbs., \$1.20.

### Aluminum Sulphate

For making the soil acid, needed for certain plants. Use one lb. to 10 sq. ft. of surface. 1 lb., 15c; 2 lbs., 25c; 5 lbs., 60c.

### Sheep Manure—Pulverized

A quick acting plant food for general use about the lawn, flower beds or garden. For lawns, use 50 pounds per 1,000 square feet. 5 lbs., 35c; 10 lbs., 55c; 25 lbs., 95c; 50 lbs., \$1.60; 100 lbs., \$2.75.

### Agricultural Lime

Excellent for sweetening acid soils. 5 lbs., 25c; 25 lbs., 55c; 50 lbs., 75c; 100 lbs., \$1.50.

### Hardwood Ashes

Valued because of its high potash content. Has a tendency to drive away insects. 5 lbs., 40c; 25 lbs., 95c; 50 lbs., \$1.65; 100 lbs., \$3.00.

### Soot

Used to produce good color in plants, also repels grubs and other soil pests. 5 lbs., 60c; 10 lbs., \$1.00.

### Nitrate of Soda

Furnishes nitrogen in a readily available form. Used for forcing and as a stimulant for backward plants and trees.

### Sulphate of Ammonia

A valuable fertilizer for all plants in which rapid growth or large leaf development is desired. Restricted by Government order. Not available at the time this catalog is issued.

### Muriate of Potash 50%

A highly concentrated form of potash of especial value for potatoes, corn, grain and all root crops.

### Super Phosphate 20%

Often used with manure and an application of 50 pounds of super phosphate per ton of manure gives good results. Straight applications should be made at the rate of 200 to 800 pounds per acre.

### Steamed Bone Meal

(2-26-0)

An effective fertilizer in gardens and orchards. Popular among greenhouse men for potting and for fertilizing bench stock. Apply 50 pounds per cubic yard for benching, pot plants, etc. 5 lbs., 50c; 10 lbs., 85c; 25 lbs., \$1.35.

### Raw Bone

(3 1/4-20-0)

Raw bone does not break down or decompose as quickly as steamed but it is better for crops not needing quickly available food. It is excellent for rose beds, vines, shrubs and trees. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$1.65.

### Shredded Cattle Manure

A good form of fertilizer where a supply of humus as well as fertilizing elements is needed. Suitable for soil mixing and liquid manure. 5 lbs., 35c; 10 lbs., 55c; 25 lbs., 95c; 50 lbs., \$1.65; 100 lbs., \$2.85.

### Imported Horticultural Peat

It adds organic matter, improves the texture, conserves moisture and aerates the soil. Prices on request.

### Vigoro—See Opposite Page.

### Blood Meal

13% organic nitrogen. Readily available, finely ground. Use under glass where quick response is desired. 2 lbs. to 4 lbs. per 100 square feet. 5 lbs., 85c; 10 lbs., \$1.50.

Full information and prices will be gladly furnished on any of the fertilizers we carry.

### Hoof Meal

14% organic nitrogen. Slowly available. Use under glass. 5 lbs., 60c; 10 lbs., \$1.00; 25 lbs., \$2.00.

### Urea

(46-0-0)

Very quickly available. Usually applied in liquid form. Dissolve 4 oz. in 50 gal. of water. 5 lbs., \$1.00; 10 lbs., \$1.75.

### Rose Grower Bone Meal

3% nitrogen and 22% total phosphoric acid. Has same strength as raw bone meal but is more quickly available. 5 lbs., 60c; 10 lbs., \$1.00.

### Sulphate of Potash 48%

Same use as muriate of potash.

### Gro-Lux

A soluble concentrated lawn fertilizer—easily sprayed on your lawn with a Gro-Lux Liquefier, without danger of burning. 5 lbs. of Gro-Lux covers up to 2,500 sq. ft. of lawn. 5 lbs. Gro-Lux, \$2.00; Liquefier, \$1.00.

### Adco (Makes artificial manure)

Adco is a powder which when mixed with dry leaves or almost any non-woody vegetable waste and kept moist, converts the mass into artificial manure—equal to the farmyard product, but free from foul odor. 7 1/2 lbs., \$1.00; 25 lbs., \$2.50; 50 lbs., \$4.75; 100 lbs., \$9.00.

### Poultry Manure

It is pulverized and easily soluble, readily absorbed. The analysis is 6—2 1/2—1 1/4. Use poultry manure in the garden, for lawns, shrubbery, etc. 5 lbs., 40c; 25 lbs., \$1.25; 100 lbs., \$3.50.

### Pulverized Limestone

Sweetens, also improves the texture of the soil and liberates nitrogen and other plant foods, and stimulates bacterial action. 5 lbs., 30c; 10 lbs., 45c; 25 lbs., 55c; 100 lbs., \$1.00.

### Nutria Peat Moss

Nutria peat is a high lime granulated peat, clean, odorless and pleasant to work with. It is an excellent soil builder. It will lighten clay or heavy soils and build up sandy or light soils. It conditions and changes otherwise poor soil into one of rich, mellow texture. Nutria peat moss will hold 15 times its weight in moisture, thus soil does not dry out as quickly and needs less watering. Makes an excellent top dressing for new or old lawns. Peat is also valuable to use in the garden to give the soil that mellow texture and prevent crusting. Is almost as cheap as ordinary black earth. Large bag, \$1.00; 2 bags, \$1.50; 3 bags, \$2.00; 1 cubic yard load, \$4.00; 2 cubic yard load (equal to 20 bags), \$5.00, delivered in St. Paul.

### Plant Food for indoor plants and window boxes



#### Plantabbs—with Vitamin B-1

The sensationally new plant food in tablet form, containing the newly discovered element B1, for plants and flowers, both indoors and gardens. Produces amazing results. 30 tablets, 25c; 75 tablets, 50c; 200 tablets, \$1.00; 1,000 tablets, \$3.50.

### Stim-U-Plant Tablets

A fertilizer in tablet form for house plants and flowers. Convenient to use, clean and odorless. Full directions on each package. Special trial size 10c; 30-tablet size, 25c; 100 tablets, 75c; 1,000 tablets, \$3.50, postpaid.

### Vigoro Tablets

Concentrated—Plant Food, especially adapted for house plants and window boxes. 24-tablets, 10c; postpaid, 15c.

for a BEAUTIFUL, LUXURIANT LAWN . . .

USE WHAT THE GOLF CLUBS USE

**MILORGANITE Fertilizer**

Golf clubs use more Milorganite than any other fertilizer—because it is the ideal turf fertilizer also excellent for shrubs, trees, and gardens. This scientifically prepared, natural plant food is rich in long-lasting organic nitrogen—which is the most important element needed for healthy plant growth. In addition, Milorganite contains more than 15 other valuable elements essential to plant vigor and health. Only one application in spring and fall necessary. Non-burning, long-lasting, clean—easy to apply. 5 lbs., 50c; 10 lbs., 75c; 25 lbs., \$1.20; 50 lbs., \$1.90; 100 lbs., \$3.00.





## GARDEN & FARM EQUIPMENT

**No. 4 Planet Jr. Combination Hill and Drill Seeder, Wheel Hoe, Cultivator and Plow Equipment:** 1 garden plow, 3 steel cultivator teeth, 1 pair of hoes, 1 leaf lifter, capacity 2½ quarts. Price, \$21.00. No. 4-D Seeder only. Price, \$16.75. No. 25, same as No. 4, but as a Double and Single Wheel Hoe. Price, \$25.50.

### No. 3 Planet Jr. Hill and Drill Seeder

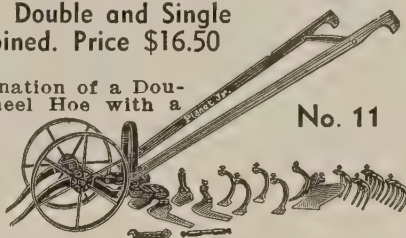
A great favorite among market gardeners. Sows all vegetable seeds in drills, or drops in hills, 4, 6, 8, 12 or 24 inches apart. The hopper holds 3 quarts. Price, \$19.75.

### No. 300 Drill Seeder

A seeder for all seeds from the smallest up to lima beans. Growers of peas and beans will appreciate this seeder as it does not break the seed and sows with great regularity. Hopper holds four quarts. Price, \$22.75.

### No. 11 Planet Jr. Double and Single Wheel Hoe Combined. Price \$16.50

A wonderful combination of a Double and Single Wheel Hoe with a variety of cultivating attachments that take care of every kind of cultivation in the home or market garden.



No. 11

### No. 12 Double and Single Wheel Hoe

Has No. 11 equipment except 4½-in. hoes and rakes. Price, \$12.95.

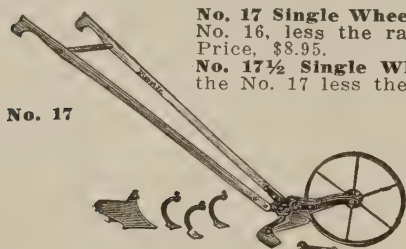
### No. 13 Double and Single Wheel Hoe

A great favorite among onion growers. **Equipment:** One pair of 6-inch hoes, the most useful attachments. Other attachments can be added at any time. Price, \$9.95.

### No. 16 Planet Jr. Single Wheel Hoe

Lighter than a Double Wheel Hoe and almost as useful to those who prefer a light tool. The variety of attachments will handle practically any cultivating, hilling, furrowing, etc., in the garden.

**Equipment:** One pair of 6-inch hoes, 3 steel cultivator teeth, garden plow, one 3-tooth and one 5-tooth rake, 1 leaf lifter. Price, \$10.25.



No. 17

**No. 17 Single Wheel Hoe.** Same as the No. 16, less the rakes and leaf lifter. Price, \$8.95.

**No. 17½ Single Wheel Hoe.** Same as the No. 17 less the plow. Price, \$7.95.

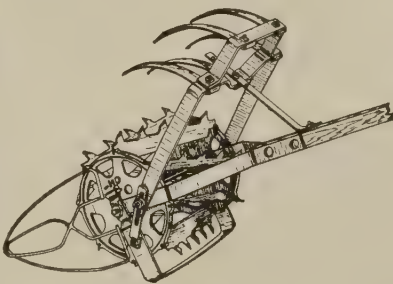
**No. 18 Single Wheel Hoe.** Equipped with 1 pair of 6-inch hoes only, the most useful attachments. Other attachments can be added whenever desired. Price, \$6.95.

### No. 82 Planet Jr. Horse Hoe and Cultivator

The No. 82 is a 7-tooth machine with reversible side standards, which can be turned any angle desired, insuring fine and thorough cultivation. Is valuable for hoeing, hilling, or thorough cultivating. Price, \$17.25.

### Ro-Ho Gardener

**Weeds—Hoes—Cultivates—Mulches—Soil.** Here is a remarkable new garden tool. You can weed your garden, hoe the rows, mulch and properly cultivate the soil, as fast as you can walk. And you do it all in one operation with less effort than it takes to push an easy-running lawn mower.



No. 8—8½ inches wide .....\$7.50  
No. 10—10½ inches wide ..... 8.00  
No. 12—12½ inches wide ..... 9.50

### Waterwand

Full volume delivered without force to the back of your deepest flower bed. 52-in. length, \$2.75; 35-in., \$2.75; 19-in., \$2.50.

## Bird's Water Proof Paper Flower Pots

These pots are used in transplanting any kind of plants in the greenhouse and hotbeds.



Please Add

Postage to

Mail Orders

		Red Paper Pots			
Size	Doz.	25	100	500	1000
2¼ in....	\$0.20	\$0.35	\$0.95	\$2.85	\$4.75
2½ in....	.20	.35	1.00	3.25	5.25
3 in....	.20	.35	1.10	3.75	6.35
3½ in....	.25	.45	1.35	4.50	7.95
4 in....	.25	.45	1.60	5.25	10.00
5 in....	.35	.60	2.00	7.25	13.75
6 in....	.45	.85	2.75	9.25	18.00

		Green Paper Pots			
Equal to clay pots in many respects					
3 in....	.30	.50	1.35	6.00	10.75
3½ in....	.35	.60	1.75	7.75	14.00
4 in....	.40	.65	1.90	8.50	16.50

		Plant Bands			
2 in....	.18	.30	.75	2.50	4.50
3 in....	.20	.35	1.00	3.25	5.75

## Clay Pots and Saucers

We carry a complete line of earthenware flower pots and saucers from 2 to 12 inch sizes. None sent by mail.

## Raffia (Natural or Green)

The best tying material for plants. Also used for basket making. **Natural:** ½ lb., 45c; 1 lb., 75c; 5 lbs., \$3.25; 10 lbs., \$6.00. **Green:** ¼ lb., 50c; ½ lb., 95c; 1 lb., \$1.75. Postage extra on mail orders.



WHY, JANE,  
TOMATOES ALREADY!  
HOW COME?

EASY... I USE HOTKAPS!



## Hotkaps

Help you grow earlier, harder vegetables, flowers. Hotkaps—strong little hothouses, storms, insects.

es—protect plants from destructive frost. University tests prove Hotkaps increase yield 18% to 51% nearly double early marketable yield, ripen crops 3 weeks earlier for highest prices. Quick, easy to set. 100 million used. Premium profits pay for them many times over.

25 Hotkaps with setter.....	\$0.50
100 with setter.....	1.95
250 with setter.....	3.50
1000 Hotkaps .....	11.00
5000 Hotkaps at per 1,000.....	10.75

Postage extra. Ask for free booklet.

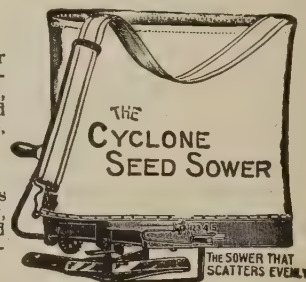


## Cyclone Seed Sower

The Cyclone can be used for sowing clover, timothy, alfalfa, lespedeza, Sudan grass, oats, wheat or any other seed that is sown broadcast. Price, \$2.50.

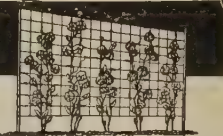
### The Horn Seed Sower

Will sow all smooth seeds like alfalfa, clover, timothy, lespedeza, etc., any desired amount per acre. Easily operated. Price, \$1.10.



## TRAIN-ETTS

### New Weatherized TRELLIS NETTING



**Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES**

Grows finer, larger flowers and vegetables. Hung with ease in 5 minutes; no fuss or bother. Use instead of string or wire. (Wire in sun burns delicate tendrils.) *Doesn't rot* like string—lasts several seasons. In 3 sizes: No. 1, 60x72 in., 39c; No. 2, 60x96 in., 49c; No. 3, 60x180 in., 69c. Postpaid.

## Olsen Dandelion Destroyer

This machine not only kills dandelions but other weeds by simply inserting the point into the center of the plant and pressing down. The powder discharged will not kill grass but has a fertilizing effect. Price, \$2.98 with 1 lb. of powder. Powder, 2 lbs., 98c; 5 lbs., \$1.60; 10 lbs., \$3.00.



# LAWN, GOLF COURSE AND CEMETERY EQUIPMENT

In keeping with our established reputation of 44 years of handling the very best grade of seed and other garden products, we aim to carry only worth-while lawn and golf course equipment. Detailed information regarding any of the listed lawn or golf course equipment will be gladly sent by return mail.

## Golf Course Equipment

We carry the following golf course equipment: Flags in several colors. Flag poles, Hole cutters, Putting cups, Cup setters. Ball washers and repair parts for same. Please write for prices if interested.



## The New Improved Springfield Lawn Sweeper

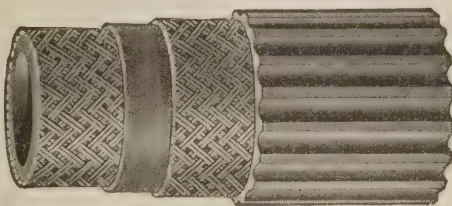
The Springfield Lawn Sweeper gently lifts and collects paper, leaves, sticks, stones, and fresh cut or dead grass without harm to the growing grass. It lifts low-growing crab grass and other spreading weeds, so the lawn mower can cut off the seed pods before they ripen. Removes quantities of foul weed seeds

that would otherwise germinate in your lawn. Cleans the lawn of weed seeds the same as a vacuum cleaner removes the dirt from a carpet.

22-inch A. F.; metal bottom; rubber wheel.....\$36.00  
28-inch A. D.; metal bottom; rubber wheel..... 50.00

## Lawn Hose

We have a fair assortment of Lawn Hose in many grades and popular prices. See our stock before you buy.



## Wood Tray Garden Barrow

Designed to meet the demand for a low priced garden barrow. Inside measurement of box, 17x27 inches, 11 inches deep. With 18-inch steel wheel.....\$7.00  
With semi-pneumatic tire .....\$12.00



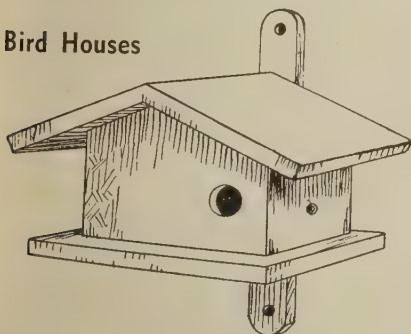
## Sod Spiker

For loosening hard packed lawns to allow water, air and fertilizer to penetrate to the grass roots without tearing the surface of the lawn. Makes sod porous. Helps eliminate moss and weeds. Keeps grass roots healthy. Price, \$1.75.

## LAWN MOWERS SHARPENED

We sharpen all types of mowers. We pick up, clean, sharpen, oil, adjust properly and deliver. Satisfaction Guaranteed. Call Garfield 5377.

## Bird Houses



Put out a bird house or two in your yard. You will be richly repaid for your trouble. The birds each year will become a source of happiness and joy to you with their ever present and cheerful song. Here in the Northwest, song birds begin arriving in March and bird houses should be in place then ready for the birds. Come in and see our large assortment of bird houses.

## Lawn Mowers

At the time this catalog is being issued, no Lawn Mowers are available and none are likely to be had until after the war. It is, however, just possible that we may obtain a few Hand and Power Mowers.

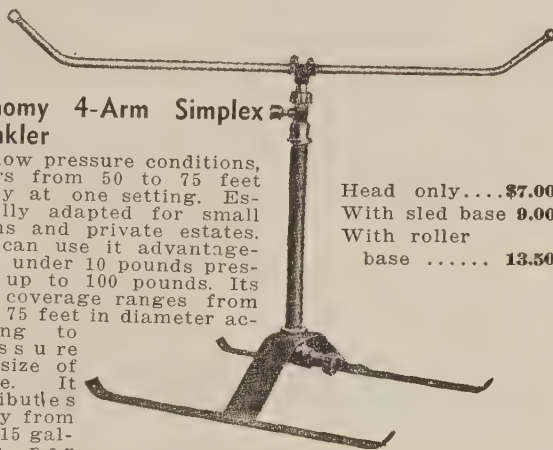
## LAWN MOWER SERVICE DEPARTMENT

Our service department is thoroughly equipped to give prompt and efficient service. We repair, sharpen or adjust any Model power or hand Mower.

## Economy 4-Arm Simplex Sprinkler

For low pressure conditions, covers from 50 to 75 feet evenly at one setting. Especially adapted for small greens and private estates. You can use it advantageously under 10 pounds pressure up to 100 pounds. Its even coverage ranges from 50 to 75 feet in diameter according to pressure and size of nozzle. It distributes evenly from 10 to 15 gallons per minute.

Head only....\$7.00  
With sled base 9.00  
With roller  
base ..... 13.50



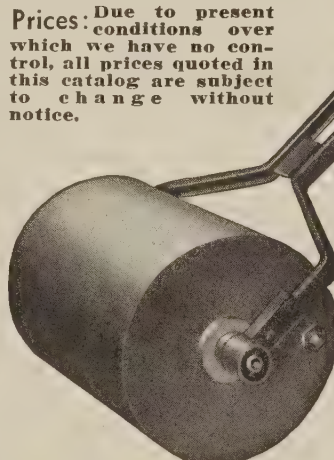
Prices: Due to present conditions over which we have no control, all prices quoted in this catalog are subject to change without notice.

## LANCO

## Water Ballast Roller

Can be filled with water or sand. Edge of drum rounded to prevent tearing of sod. Axle runs through the roller and is equipped with roller bearings or with plain bearings.

Add more or less water or sand to roller to conform with conditions—light for moist lawns, medium for dry lawns, and heavy for paths.



Size	Price with plain bearing	Price with roller bearing	Weight empty	Filled with water
14x24	\$12.00	\$14.00	52 lbs.	175 lbs.
18x24	14.00	16.00	70 lbs.	275 lbs.
24x24	19.00	21.00	105 lbs.	465 lbs.
24x32	21.00	23.00	115 lbs.	610 lbs.

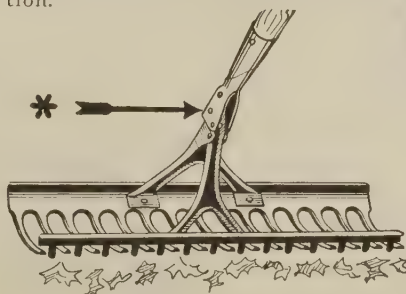
## Diamond Hedge and Shrub Trimmer

It will trim vines and hedges four times faster than the old type shears. Made of hard-tempered, rust-proof steel. Price, \$3.00.

## Lawn Comb

The flexible, springy teeth make it a desirable rake for cleaning around plants, vines, shrubs and flower beds.

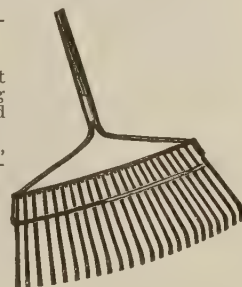
Price, 18 inches, \$1.65; 24 inches, \$1.95. Purchaser pays transportation.



Lawn Comb.

## The Rapid Lawn Raker

(Shown at Left) Cleaning device cleans rake after each stroke. A clever invention. Special 98c.





**Help** YOUR FLOWERS HOLD UP THEIR HEADS

with **G&D PATENTED METAL PLANT PROPS**

All heights shown are overall. Deduct 4" from 16" size and 6" from all other sizes for net height.

66" 42" 30" 16"

BAKED GREEN ENAMEL FINISH

## Wire Plant Props

These require no tying, as the loop at the top can be slipped around the plant stem. To determine the net height of each prop, deduct the following from the overall length: 4 inches from the 16-in. size, 6 inches from all other sizes. This represents the depth to which the stake should be pushed into the ground. It looks better if the shortest practical height is used. Prices: 16 ins., doz., 45c; 30 ins., doz., 85c; 42 ins., doz., \$1.20; 66 ins., doz., \$1.75.

## "GARDEN KING" PLANT MARKERS



Treated with a preservative that protects against decay. Undercut groove contains white chemically treated waterproof name card, covered by a dirt-proof transparent window. Just use ordinary pencil, and the name will remain for years. 12-inch size, doz., 35c; 18-inch size, doz., 45c.

## Master's Fertilizer Distributor

A sturdy, efficient machine for the even distribution of fertilizer or grass seed. Will last for years. You will be greatly pleased with this machine and the splendid work it does.



Master's  
Fertilizer  
Distributor

Model	Size	Capacity	Price
M-241 Double Disc Wheel.....	24 in.	65- 75 lbs.	\$16.00
M-241 Cushion Rubber Tires..	24 in.	65- 75 lbs.	20.00

## Vigoro Fertilizer Spreaders

Vigoro Spreaders make quick work of lawn feeding and lawn seeding. They are made in four sizes, all with forced feed, shutoff control on handle and are adjustable for various rates of application.

Junior, rubber tires, 35 lbs. cap.. \$7.45  
Junior, rubber tires with brush.. 9.95  
Standard, 65 lbs. capacity..... 15.35  
Special, 100 lbs. capacity..... 22.80



Vigoro  
Spreader  
  
Junior  
Model  
Illustrated

## Tri-Con Fertilizer Applier

A modern method for applying commercial fertilizer, in liquid form. Price, \$3.75.



## Harco Sprayer

A new, easy-to-use Sprayer at a low price. Simply squeeze the handles and you have just the amount of spray you desire. Any Mason jar can be used. Price, \$2.35.



## Garden, Pot and Tree Painted Labels

Copper Wired Tree	Doz.	100	250	1000
Labels, 3 1/2 inches.....	\$0.10	\$0.60	\$1.15	\$3.25
Pot Labels, 4 inches.....	.10	.60	1.10	3.00
Pot Labels, 5 inches.....	.10	.60	1.15	3.45
Pot Labels, 6 inches.....	.15	.65	1.35	3.95
Garden Labels, 8 inches.....	.20	1.20	2.25	7.50
Garden Labels, 10 inches....	.25	1.35	2.60	9.50
Garden Labels, 12 inches....	.30	1.65	3.50	13.00
Garden Labels, 18 inches....	.85	5.00	10.00	35.00



## Peony or Plant Support

Constructed of heavy galvanized wire to make a rigid support for peonies, delphiniums, tomatoes, etc. Easy to adjust to plant.

14 in. diameter, 30 in. high, 25c each, \$2.50 a doz.

18 in. diameter, 30 in. high, 35c each, \$3.50 a doz.

## One-Eye Wire Stakes

Placed around a single plant, a group, or each side of a row, with twine strung tightly through the eyes, they make a strong support for plants and flowers.

36 ins. long. Doz., \$1.00; 100, \$7.50

Peony Support.

## 'TWIST-EMS' — Help you support plants quickly, neatly, permanently.

A twist of the wrist and the plant is tied. Twist-ems are dark green strong tapes with wire reinforcing that makes perfect plant ties. No twine or raffia or shears needed. For annuals, perennials, shrubs, vines and vegetables, excellent for arranging flowers. Box of 125 8-in. size, 25c; 250 4-in. size, 25c; 125 16-in. size, 50c.



E-Z  
FERTILIZER  
SPREADER

It's fun to fertilize your lawn the new "E-Z" way. Simply fill container with any commercial fertilizer, guide like a vacuum cleaner, and your lawn is covered—quickly, scientifically, uniformly. Dependable construction assures long life for your efficient, economical E-Z Fertilizer Spreader. Price, \$1.25; post-paid \$1.40.

## Brandt's All Metal Garden Markers

All holders and tabs are made of non-rusting, non-corrosive metals.

B-200 25c	B-204 1c	B-208 and
B-201 3 1/2c	B-205 1c	B-209 10c
B-202 6c	B-206 2c	B-210 3 1/2c
B-203 5c	B-207 2 1/2c	B-211 3 1/2c

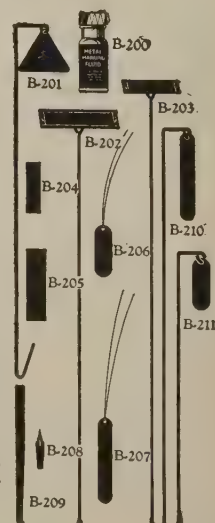
## Hanging Baskets

For porch, sun-parlor or indoors. Just the basket for ferns or trailing vines. Attractively finished in harmonizing green enamel.

10-in. diameter. Ea. 25c; prepaid, 35c  
12-in. diameter. Ea. 35c; prepaid, 45c

## Hanging Basket Hook

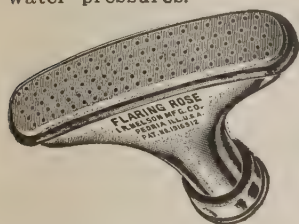
An ideal hook for hanging bird cages, hanging baskets, ivy balls, etc., about the home. Each, 20c.





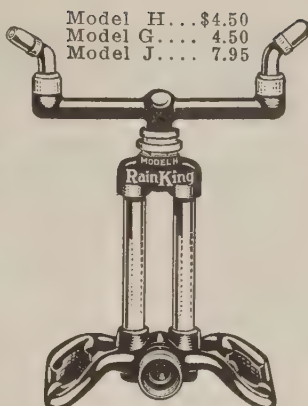
## Rain King Lawn Sprinklers

This improved Rain King is easily adjustable for fast or slow or stationary sprinkling. Works on all water pressures.

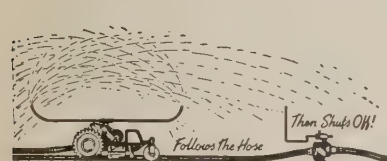


### Flaring Rose Hose Nozzle

Distributes water in a soft fan-like spray. Especially valuable for sprinkling new lawns. Price, 75c; postpaid, 85c.



Model H...\$4.50  
Model G.... 4.50  
Model J.... 7.95



### "Walking" Lawn Sprinkler

"WALKING" LAWN SPRINKLERS are operated by water power. No fuss; simply lay the hose over the course you want to water, place the sprinkler so as to follow back along the hose and turn on the water. THE "WALKING" SPRINKLER will start immediately, pulling the water filled hose back along the course with it. "WALKING" LAWN SPRINKLERS will do your watering job well and economically. Have saved as much as forty per cent on their water bills and had better lawns than ever before. The width of the strip to be watered may be set for a few feet to fifty feet. Free leaflet sent on request.

Model A5-2—Complete with Automatic Shut-off...\$26.85  
Model B3—Complete with Automatic Shut-off..... 34.55

## Carter Lever-Spray Hose Nozzle

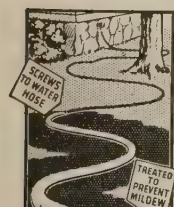
Stream or spray easily regulated by easy pressure of the hand. For lawn or garden, cleaning cars, porches or for any purpose. Price, \$1.25.

## Economy Sprinklers

Outstanding sprinklers in several sizes to give the coverage you want. Prices, \$3.75 to \$20.00.



IT REALLY SOAKS THE SOIL



**SOIL-SOAKER**

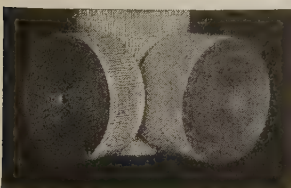
Size	Length	Price
No. 0.	.12 ft.	\$1.40
No. 1.	.18 ft.	1.90
No. 2.	.30 ft.	2.90
No. 3.	.50 ft.	4.75

### Soil-Soaker

Is made of porous canvas and especially useful for watering terraces, narrow places, flower gardens and hedges. Soil-Soaker screws to the end of water hose, replacing the nozzle or sprinkler. When the water is turned on, Soil-Soaker fills with water—and normal pressure forces water through the pores of the entire surface of Soil-Soaker, uniformly, without spray. Easily moved without shutting off water, or getting wet.

## Waterproof Tree Wrap

Protects transplanted and newly planted fruit and shade trees against sunscald, frost and cold, also the ravages of rabbits and field mice. Rolls 4 inches wide, about 155 ft. to the roll. Wt. 2½ lbs. Price, 65c.



**National Eezy Wear Garden Gloves**

Give you everything you want —



All-Leather  
SOFT AS KID

DIRT-PROOF  
Easy to Wear

Durable  
WASHABLE

Economical, too—outwear 6 pairs of ordinary fabric gloves, are washable and can be used the year 'round for GARAGE, HOUSEWORK, PAINTING, YARD, FURNACE, ETC. Sizes for WOMEN (small, medium, large) and MEN (small, medium, large). A real value at 75 cents a pair, postpaid.

## Kreme Skin Gloves

All-leather protection and comfort. Also softens the hands. Ladies' sizes only—small, medium, large. Price, \$1.00 (or \$1.10 postpaid.)

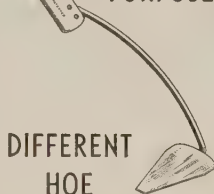
## Gloves

We carry a large assortment of canvas, leather and rubber gloves.

## Twine

Binder twine in 8-pound balls. Cotton twine in 4, 6 and 12-ply balls and cones at market prices.

## THE ALL PURPOSE



The All-Purpose Hoe is a new design and permits a more natural and easy motion in cultivating and mulching. Held as you would a broom, it works with ease and speed. Permits you to work close to plants without injuring foliage. Weight of The All-Purpose Hoe is only 1½ lbs., which is ideal for women to use around perennials, shrubs or garden crops. Postpaid, \$1.20.

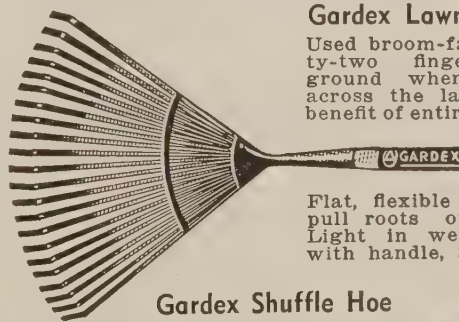


## GARDEX Bow-Pull Hoe

For weeding and cultivating. Will cut toughest weeds. Price, with 5-ft. handle. 7 in. wide, \$1.30; 8 in. wide, \$1.35; 12 in. wide, \$1.80.

### Gardex Bow Rake

High carbon steel. Easy to handle—balanced to rest easily in hand. Price with 5-foot handle: 12 tooth, \$1.10; 14 tooth, \$1.20; 16 tooth, \$1.30.



### Gardex Lawn Sweep

Used broom-fashion all twenty-two fingers touch the ground when it is swept across the lawn, giving full benefit of entire 18-inch width.

Flat, flexible fingers do not pull roots of grass plants. Light in weight. Complete with handle, \$1.20.

### Gardex Shuffle Hoe

A push-type hoe used extensively for cutting weeds in driveways and gardens. The blade is thin, and will always stay sharp. Complete with 5-ft. handle, painted green, polished blade, 7 in. wide, \$1.35.



### Gardex Pull Hoe Weeder

With Diamond Point Share. Weeds at least five times faster and easier than old chopping hoe. Penetrates any soil with easy pull, cutting all weeds in its path. You will marvel at its performance. Complete with 5-ft. handle, width, 11 inches, \$1.50.





**No. 800  
Potato  
Planter**

**No. 810  
Potato  
Planter**

**Corn  
Planter**

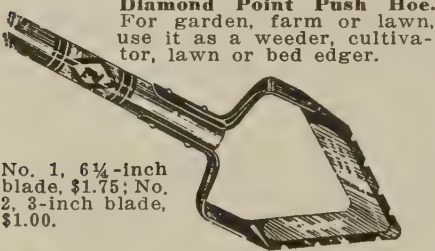
**No. 800 Potato Planter.** Will plant up to 4 acres a day. Easy to operate in any kind of soil. Each, \$1.25.  
**No. 810 Potato Planter.** Easy to operate, up to 4 acres a day. Each, \$1.75.  
**Corn Planter.** Will give years of satisfactory service. Accurate and easy to operate. Each, \$1.65. With fertilizer attachment \$3.00.



**Diamond Weeder.** A big favorite for weeding vegetable crops. Each, 35c.

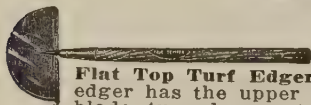


**Asparagus Knives**—Strong and durable. 35c and 50c.



**Diamond Point Push Hoe.** For garden, farm or lawn, use it as a weeder, cultivator, lawn or bed edger.

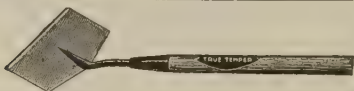
No. 1, 6½-inch blade, \$1.75; No. 2, 3-inch blade, \$1.00.



**Flat Top Turf Edger**—This turf edger has the upper edge of the blade turned over to furnish a flat surface for the foot. Each, \$1.25



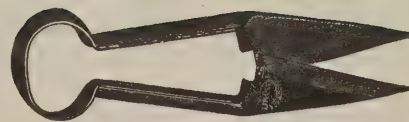
**Cultivator**—A popular hand cultivator. The spread and number of teeth are adjustable. 5-tooth cultivator, \$1.40. 3-tooth, \$1.25.



**Steel Scuffle Hoe** — A very practical weeder and mulcher. Each, \$2.25.



**Floral Shovel** — A light shovel for ladies' or children's use, suitable for planting shrubbery, transplanting potted plants, digging bulbs, etc. Each, \$1.25.



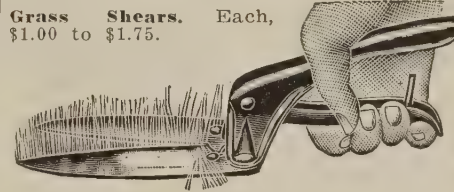
**Grass Shears.** Prices, 50c to \$1.50.



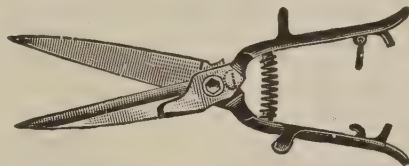
**FLOWER SHEAR**  
for the  
GARDEN

SNIPS and GRIPS FLOWERS  
CLIPS and HOLDS FRUIT

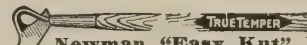
**Cut Flower Shears.** As above. Each, 75c; postpaid, 85c.



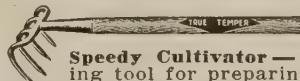
**Grass Shears.** Each, \$1.00 to \$1.75.



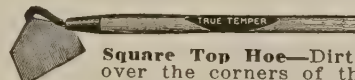
**Grass Shears.** Blades of best steel. Price, 75c to \$1.75.



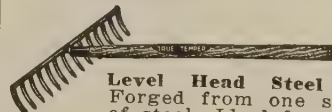
**Newman "Easy Kut" Hoe** — The shallow blade and three sharpened edges of this hoe make it unequalled for mulching and killing weeds. Each, \$1.50.



**Speedy Cultivator** — A time-saving tool for preparing the ground for seeding and for cultivating. 4-prong, each, \$1.35; 3-prong, \$1.25.



**Square Top Hoe**—Dirt passes over the corners of this hoe. Very popular with strawberry growers. Each, \$1.20 to \$1.45.



**Level Head Steel Rake** — Forged from one solid piece of steel. Ideal for gardening. Curved, 14-tooth rake. Each, \$1.15 to \$1.50.

**Round Bow Steel Rake**—The best seller in rakes. Slightly curved teeth. 14-tooth rake, \$1.50; 16-tooth rake, \$1.65.

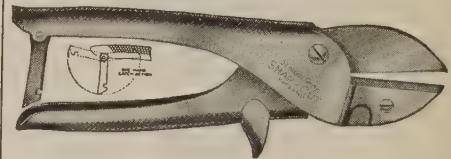


**Lon-Groom Lawn Edger**

One of the very best. Cuts a clean line along the edge of the walk. Can be used for circling shrubbery, flower beds and tree trunks. Price with wood handle, \$1.55.



**Pruning Shears.** Made of best tempered steel. Prices, 75c to \$4.25.



**Snap-Cut Pruning Shears.** Cuts easier and cleaner. Price, \$1.75 and \$2.25. Add 10c on mail orders.



**Hedge Shears.** Price, 80c to \$4.00.



**Tree and Hedge Pruner.** Several sizes and designs. Hard steel. Price, (as illustrated), \$2.00 to \$4.25.



**Grass Hooks or Sickles** — We have several types, priced 60c, 75c, \$1.00.



**Dibble.** For transplanting vegetable plants; steel point. Price, 60c to \$1.25.

**Grass Catchers.** Made of heavy galv. sheet iron and heavy white canvas. For 14-20-inch mowers, \$1.25 to \$1.75.



**Pruning Saw.** Price, \$1.25 to \$3.75.

LENGTH OVERALL — 4 FEET



**Handy-Hoe.** Each, 90c.

**Grasswip** — A two-edged grass and weed cutting tool working equally well on either the forward or backward swing. Swings as easily as a golf club. Each, 85c and \$1.25. Add 25c to mail orders.



**Socket Garden Trowel**—Drop shank pattern. Will outlast several of the cheaper trowels. Each \$1.25.

**Waters Tree Pruner**

A very good Tree Pruner at a low price. The blade is made of high carbon tool-steel accurately ground to cut perfectly true. Hook also made of carbon steel.

8 foot.	Each	.....	\$2.50
10 foot.	Each	.....	2.75
12 foot.	Each	.....	3.00





# Master-Mated Chicks and Ducklings

**Master-Mating means you get big, husky, lively chicks with Greater Earning Power Bred IN You Take Extra Profits OUT**

"Master-Mated" best represents the scientific mating and pairing of breeders in personally supervised flocks plus the consistent introduction of trapnest-pedigree blood from many of the country's outstanding specialty breeders. Through this Master-Mating Program we get chicks that are much more profitable for the raiser than the ordinary chick that does not have this valuable inheritance. This Breeding System proves that Master-Mating produces: 1. Better Health and Livability of Chicks and Mature Birds. 2. Fast Growth. 3. Early Maturity. 4. High Flock Average Production. 5. Large Size Eggs.

These are the factors you need to make money today with poultry.



## "Master-Mated" Chick Grades

**A**—This is our regular standard quality chick. All of these chicks come from flock matings that measure up to our most rigid requirements for health, vigor and high egg production combined with exhibition qualities.

**AA**—Our most popular grade from special production matings. All chicks produced from these matings come from sires whose dams under the trapnest laid 150 or more eggs in their pullet year in the White Rocks, and 200 or more eggs in the White Leghorn variety. Egg production in this grade will far exceed our Regular Grade A. 90 per cent of our sales are of this grade.

**AAA**—The sires heading our Triple A matings in White Rocks, S. C. Reds and Barred Rocks all come from dams that laid 200 or more eggs (many over 225 eggs) under the traps in their pullet year. White Leghorns over 225 eggs and many over 250 eggs. The other varieties are outstanding matings in each breed, selected for superior egg production and exhibition qualities.

**AAAA**—The mating of the White Leghorns are from dams who have laid 250 to 355 eggs in their pullet year. The White Rock flocks are from an R. O. P. pedigree of 255 to 292 eggs per year. Here are some of the finest birds it is possible to produce.

Prices effective March 1, 1943.

### Master-Mated Chicks

Breeds	Grades			
	Prices per 100 Chicks			
	A	AA	AAA	AAAA
White Leghorns (Large type)	\$13.00	\$15.00	\$17.00	\$19.00
White Leghorn Pullets (L. T.)	23.00	25.00	29.00	33.00
White Rocks	14.00	16.00	18.00	20.00
White Rock Pullets	18.00	20.00	24.00	25.00
Barred Rocks	14.00	16.00	18.00	
Barred Rock Pullets	18.00	20.00	24.00	
Buff Rocks	14.00	16.00	18.00	
Buff Rock Pullets	18.00	20.00	24.00	
Rhode Island Reds (S. C.)	14.00	16.00	18.00	
Rhode Island Red Pullets	18.00	20.00	24.00	
Buff Orpingtons	14.00	16.00	18.00	
Buff Orpington Pullets	18.00	20.00	24.00	
White Wyandottes	14.00	16.00	18.00	
White Wyandotte Pullets	18.00	20.00	24.00	
New Hampshire Reds	14.00	16.00	18.00	
New Hampshire Pullets	18.00	20.00	24.00	
White Giants	14.00	16.00	18.00	
White Giant Pullets	18.00	20.00	24.00	

### Cockerels—

White Leghorn Cockerels. Per 100, \$5.00.

White Giants or New Hampshire Red Cockerels. Per 100, \$14.00.

All other heavy breed Cockerels. Per 100, \$13.00.

Owing to unsettled conditions the prices on this page are not guaranteed and are subject to changes without notice.

A 25¢ deposit is required with each order. Balance before shipment or C.O.D. if desired.

## DUCKLING PRICES

Our Mammoth White Pekin Ducklings are the very best White Pekins obtainable, No. 1 grade, from one of the largest Duck Hatcheries in the United States. Pekin Ducks are the fastest growing and largest breed of all ducks. They are strong, healthy, and fast growing, often weighing 7 and 8 pounds, with proper care and feed, in two to three months.

**Three-Day-Old Ducklings** 30¢ each; 10 to 24, 27½¢ each; 25 to 49, 25¢ each; 50 or more, 22½¢ each.  
The above prices not good after May 15th.



# POULTRY FEED AND SUPPLIES

All prices printed in this book are subject to change without notice. All quotations are F. O. B. St. Paul. If goods are to be sent by Parcel Post add postage.

## Charcoal

Charcoal is one of the greatest disease preventatives for poultry. It aids in digestion, purifies the blood and regulates the bowels, fowls young and old should have access to it at all times. In three sizes—fine, medium or coarse. 25 lbs., 75c; 50 lbs., \$1.20; 100 lbs., \$2.35.

## Oyster Shell

Contains carbonate of lime, of the same composition as eggshell. As other feeds contain very little of this mineral matter, the hens need Oyster Shell at all times to produce eggs. 25 lbs., 40c; 50 lbs., 65c; 80 lbs., \$1.00.

## Granite Grit

Is a necessary aid in digestion for both small and large birds. Keep before the fowls at all times. Two sizes—fine and coarse. 25 lbs., 30c; 50 lbs., 50c; 100 lbs., 85c.

## Purina Checkerboard Feeds

Broiler Chow	Duck 5th Week	Fox Chow
Chick Startena	Turkey Startena	Goat Chow
Chick Chow	Turkey Growena	Mink Chow
Chick Growena	Hen Chow	Rabbit Chow
Duck Startena	Lay Chow Meal	Dog Chow
Duck Growena	18%.	Omoleone
Duck Fatena	Fatena	
Prices quoted on request.		

## Foust's Pigeon Health Grit

Gives health, vim and vigor to both young and old birds. Raisers have found it unequalled as a tonic and for fattening squabs. 25 lbs., \$1.00; 50 lbs., \$1.80; 100 lbs., \$3.35.

## Dried Buttermilk

Dried Buttermilk is pure fresh buttermilk with water only removed and nothing else added. Please ask for prices.

## Animal-Poultry Yeast Foam

Gives the vim to the chicks to grow and hens to lay. Assists the birds in digesting their food, especially the starches found in such large quantities in all poultry feeds. 4-lb. containers, postpaid, \$1.00.

## Purity Stock and Poultry Yeast

Means more eggs, more vitality in your flock. Prevents bloat and scours in cows or calves. 10 lbs., \$1.50; 25 lbs., \$3.25; 50 lbs., \$6.25; 100 lbs., \$12.00.

## Fish Oil

This is the highest grade of oil for poultry and stock only. 1 qt., 60c; ½ gal., 95c; 1 gal., \$1.75. Prices in your own container or in a 30-gallon barrel, quoted on request.

## Ration-Ayd

A Vitamin D with B-G Complex of Milk, for mixing in the laying mash. 5 lbs., \$1.65.

## Pulvex

Pulvex is a non-poisonous powder to use on any animal including canaries; particularly dogs, cats, foxes, poultry and large animals to control lice, fleas, ticks and mites. Prices: ¼ oz. size, 25c; 2 oz., 50c; 12 oz., \$1.25.

## Sodium Fluoride (Blu-chek)

The U. S. Department of Agriculture highly recommends the use of Sodium Fluoride, a fine powder, for freeing the fowls of lice. One application will entirely rid the birds of lice. 1 lb. treats about 125 birds. ½ lb., 25c; 1 lb., 45c.

## Lice-Kill Salve

Kills body lice on chickens, head lice on chicks; also used for scaly leg. One of the best lice-killers; guaranteed to kill every louse on the fowl or money will be refunded. Tube, for 200 fowls (postpaid), 60c. Two tubes (postpaid), \$1.00.

## Avenarius Carbolineum

Kills and stops the propagation of chicken mites or fowl ticks in poultry houses for a whole year. Disinfects deep cracks and crevices, where vermin and disease germs propagate. One gallon covers 100 to 200 square feet. Preserves wood against rot. 1 gal., \$1.50.

## Gold Leaf Tobacco Powder

Controls poultry round worms. 2 lbs., 25c; 10 lbs., \$1.00; 60 lbs., \$5.00.

## Epsom Salts

For poultry. 1 lb., 12c; 5 lbs., 35c.

## Puritone

A low vitality and body builder for poultry and hogs. Easy to feed. 2 lbs., \$1.00; 5 lbs., \$2.25; 10 lbs., \$4.00; 25 lbs., \$8.75.

## Avicol

Your loss of baby chicks CAN BE STOPPED—easily, quickly. Avicol is a special bowel antiseptic. It stops disease and prevents its spread by destroying germ life and helping the chicks withstand infection. Price, 50c; special large size (almost 3 times 50c size), \$1.00.

## Don Sung

A Mineral Compound that Scientifically Helps Nature. Don Sung is a balanced mineral conditioner. It improves the hen's health, tones up her egg-laying organs, and makes her stronger and more productive. Prices: Trial size, 50c; large size, \$1.00; holds 3 times the 50c size.

## Group-Over. A Soothing Antiseptic

Roup is one of the most serious of poultry diseases. Keep Group-Over on hand and at the first symptoms of a cold in your flock, give it to every affected bird. It clears the air passages and brings relief with magic quickness. Easily given. Comes in a liquid form and a few drops does the work. Price, 3 oz., 50c; 8-oz. size, \$1.00.

## DR. HESS'S PREPARATIONS

**Dr. Hess Poultry Pan-a-min.** Acts as a corrective and tonic on the dormant egg organs as well as on the digestion. Contains internal antiseptics that counteract disease; 1½ lb. size, 30c; 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15; 100 lbs., \$10.50.

**Dr. Hess Chick Tablets.** For the treatment of diarrhea in either chicks or large fowl. 25c, 50c and \$1.00.

**Dr. Hess Dip and Disinfectant.** A sure germ and parasite destroyer, good as a dip or for spraying. One gallon of dip makes from 70 to 100 gallons of effective solution. 12-oz. size at 40c; 1 qt., 65c; ½ gal., \$1.15; 1 gal., \$1.75.

**Dr. Hess Poultry Tablets.** Will help cure the most obstinate case of roup. 25c, 50c and \$1.00.

**Dr. Hess Hog Special.** A conditioner and mineral supplement for hogs only. Acts as a general conditioner and appetizer. 1½ lbs., 30c; 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15; 100 lbs., \$10.50.

**Dr. Hess Louse Killer.** (Powder.) Kills lice on poultry, horses and cattle, sheep ticks, bugs on cucumbers, cabbage worms, etc. 1 lb., 30c; 2½ lbs., 65c; 6 lbs., \$1.25.

**Dr. Hess Fly Spray.** Will rid your barn of flies and mosquitoes. 2-qt. size 85c; 1 gal., \$1.50.

**Dr. Hess Improved Stock Tonic.** Makes ailing animals healthy, the whole herd thrifty, expels worms. 3 lbs., 55c; 7 lbs., \$1.10; 15 lbs., \$2.10; 25 lbs., \$3.15; 100 lbs., \$10.50.

**Dr. Hess Poultry Inhalant.** An aid in expelling mucous from the upper respiratory tract and treating minor bronchial irritations. 4 oz., 65c; 8 oz., \$1.10.

**Dr. Hess PTZ.** The new worm treatment (made with Phenothiazine) for sheep, goats, swine, cattle and poultry. Prices on request.

**Dr. Hess Udder Ointment.** For swollen or bruised udders; cracked or chapped teats, etc. 7-oz. can, 50c.

**Dr. Hess Poultry Worm Powder.** This is a single dose flock treatment which does not harm the birds or affect egg production. 50-bird size, 50c; 100-bird size, 90c; 250-bird size, \$1.90; 500-bird size, \$3.00; 1,000-bird size, \$5.40.

**Dr. Hess Poultry Worm Tablets.** These are odorless, tasteless and non-toxic to poultry. 40-tablet size, 50c; 100-tablet size, \$1.00; 250-tablet size, \$2.00; 500-tablet size, \$3.50; 1,000-tablet size, \$6.50.

## LEE'S PREPARATIONS

**Acidox.** To aid in the prevention and treatment of coccidiosis. 4 oz., 50c; 12 oz., \$1.00; 32 oz., \$2.00.

**Lee's Cresote Dip. (Lee's Dip and Disinfectant.)** Exceptionally powerful as a disinfectant and germicide. 1 qt., 60c; ½ gal., 90c; 1 gal., \$1.50.

**Lee's Dri-Rub.** For cold weather sanitation and lice around poultry houses and livestock quarters. 3 lbs., 45c.

**Lee's Germozone.** One of the very best remedies for poultry affected with colds, cholera, roup, bowel trouble, sour crop, sore head, etc.

4-oz. .... \$0.40 32-oz. .... \$1.50 1 gallon .... \$4.50  
12-oz. .... .75 ½ gallon .... 2.50

**Lee's Gizzard Capsule. For Worms in Poultry.** Effective against common intestinal worms in chickens and turkeys. Prices: Adult size: 50 capsules, 75c; 100 capsules, \$1.25. Pullet size: 50 capsules, 50c; 100 capsules, \$1.00. The chick size: 50 capsules, 40c; 100 capsules, 75c.

**Lee's Lice Killer.** In liquid form. Painted on the roosts, the vapor kills lice on the bodies of the chickens as they roost at night. Qt., 60c; 2-qt. size, 90c; 1 gallon, \$1.50.

**Lee's Louse Powder.** For small flock it is convenient, economical and sure. 1 lb., 25c; 2½ lbs., 50c.

**Leemulsion.** For treating colds, wheezing or bronchitis. Stir into drinking water. 4 oz., 50c; 12 oz., \$1.00; 32 oz., \$2.00.

**Lee's Pickpaste.** Pickpaste will break the bad habit of chicks picking one another's toes, vent, wings, etc. 2 oz., 25c; 6 oz., 60c.

**Pinjectol.** For pin worms and blackhead control in turkeys. 12-oz. bottle, 75c.

**Tonax.** A tonic and conditioner for chickens and turkeys. 12 oz., 30c; 2 lbs., 75c.

**Lee's Vapo-Spray.** For the relief of coughs due to colds and minor bronchial irritations in poultry and swine. 1 pt., 50c; 1 qt., 75c; ½ gal., \$1.25; 1 gal., \$2.00.



## Walko Tablets

A wonder-working medicine for the treatment and prevention of White Diarrhea, Roup and Cholera. 50c, \$1.00.

## Carbola

Carbola is a white paint and powerful disinfectant combined in powder form. It is ready to use as soon as it is mixed with water. It can be easily and quickly applied with brush or spray pump. Disinfects and dries white. Does not flake or peel. 1 lb. covers 100 sq. ft. The dry powder is an excellent louse powder. 25 oz., 25c; 5 lbs., 60c; 10 lbs., 98c; 50 lb. bag, \$3.50.

## Creokote. Disinfectant Paint

Creokote disinfects and paints at one operation. Use the dry powder on dropping boards and in the nests in poultry houses. As a paint, for barn or poultry house, 5 lbs., will cover from 400 to 600 square feet of surface.

### CLOSE-OUT SALE PRICE.

5 lbs. was 50c, now 25c; 10 lbs. was 85c, now 43c; 25 lbs. was \$1.75, now 88c; 50 lbs. was \$3.00, now \$1.50.

## Chlorin 2000

A powerful germicide, disinfectant and deodorizer for home use or farm. A concentrated sodium hypochlorite solution for dairy and creamery sterilization. A few drops in the drinking water is a disease preventative for chicks or older fowls. 1 qt., 50c; 1 gal., \$1.25; 4 gals., in case, \$4.00.

## B-K (Bacili-Kil)

Bacili-Kil or commonly called B-K is one of the most powerful germicides and disinfectants, being even more effective than pure carbolic acid and still non-poisonous. We do not hesitate to recommend it for general use in the home, poultry house or barns. Trial size, 30c; medium size, 50c; 1 qt., 90c; 1 gal., \$2.00; 5 gals., \$8.50.

**Powder:** 9-1/3 oz. bottle, 75c; 1 1/4 lb. bottle, \$1.50.

## Ray-Zem

Keeps turkeys, chickens and game birds healthy. Especially recommended for blackhead treatment in turkeys. 1/2 pt., \$1.00; 1 pt., \$1.50. (Can supply larger sizes on order.)

## ADM Cold Pressed Wheat Germ Oil

For Vitamin E deficiency in poultry and livestock. Is the pure golden oil extracted from the wheat germ itself. Fortify your feed with this remarkable oil and you will get amazing results. Increases fertility. Pint size, \$3.50.

## NICOTINE POULTRY DELOUSER

Apply in the fall or by all means before brooding time in the spring.  
**Sale Price:** 2-oz., 35c tube, now 20c.  
**Spreads Farther—Lasts Longer.**  
2-oz. tube treats 40 to 50 running feet of perches or 60 to 75 chickens.

## "Black Leaf 40" for Poultry Lice

"Black Leaf 40" painted on the top side of the roosts controls body lice. Saves the labor of handling, each bird either to dust, dip or grease. "Black Leaf 40" does not harm the birds nor retard egg production.  
**Prices:** 1-oz. bottle (treats 60 running feet of roost), 35c; 5-oz. bottle, \$1.00; 1 lb., \$2.50; 2-lb. tin, \$3.70; 5 lbs., \$6.90; 10-lb. tin, \$11.65

## Thermostat Wafers

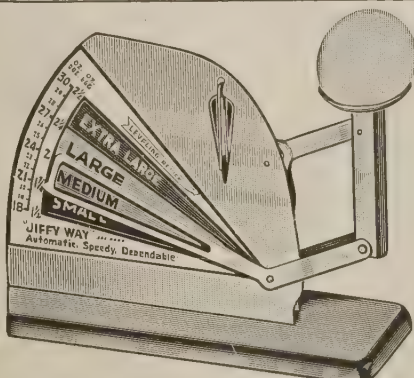


Wafers to fit any incubator or brooder. State make when ordering.

Size, 3 inch. Each, 30c; 35c postpaid.  
Size, 4 inch. Each, 45c; 50c postpaid.

## "Jiffy-Way" Egg Grading Scale

Four-color zone dial doubles grading speed. You see instantly the correct weight and grade. Each, \$1.50.



## The New "Jiffy-Way"

## Candler

"Jiffy-Way" Egg Grading Scale.

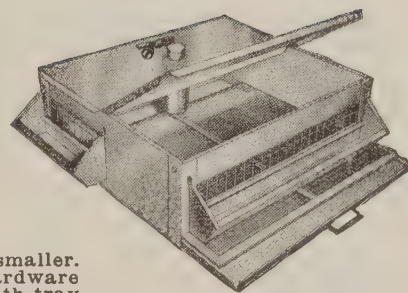
This candler is attractive, durable and economical in operation. Each, \$1.50.

## Opal Glass Nest Eggs

The exact size of real hen's egg. Doz., 35c. By parcel post, 50c.

## Electric Battery Brooder

No. 7 E  
Price \$5.00



This brooder has a capacity for up to 50 day-old chicks. Operates on any current, uses standard bulb, 60-watt or smaller. Floor is framed hardware cloth 1/2-in. mesh. Both tray and floor removable. Feeding trough in front; water trough at side; both removable.

## Round Type Electric Brooders

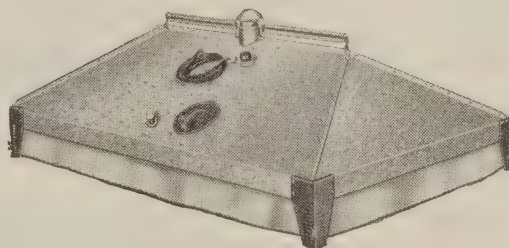
Heavy duck curtains confine the heat and permit chicks to come and go at will. Clean heat at a low operating cost.

No. E-24—75-chick size—24-inch diameter .....\$3.00  
(Heat supplied by bulb)

No. E-34—150-chick size—34-inch diameter.....\$11.00  
Heat supplied by two 150-watt bar-type units.

## Hudson Lektric-Hen

Plenty of heat is provided by two totally enclosed bar-shaped heating elements under bright, aluminum finished reflectors—deflecting heat in evenly diffused rays. Two red attraction lamps reflect a warm, heat-like glow at all times. Foul air is exhausted through the center flue which extends down near the floor line. Adjustable air regulator. Desired temperature automatically maintained by positive Thermostat control.



No. 2436—120-chick size (24 in. x 36 in.).....\$12.75  
1—300-watt element.  
No. 3648—265-chick size (36 in. x 52 in.)..... 22.00  
2—200-watt elements.  
No. 4262—375-chick size (42 in. x 62 in.)..... 30.00  
2—300-watt elements.  
No. 4872—500-chick size (48 in. x 72 in.)..... 35.00  
2—500-watt elements

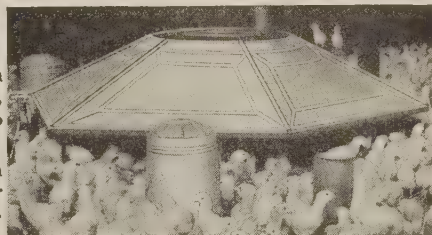
## Hudson Oil- Burning Brooder

Equipped with "silent" burner, has no soot, no carbon, no roar.

No. 256B, with 54-inch hover, for 500 to 1,000 day-old chicks, \$22.00.

No. 149B, with 48-inch hover, "hushed-flame" burner, capacity, 300 to 600 day-old chicks, \$18.00.

No. 542, with 42-inch hover, capacity 200 to 400 day-old chicks, \$12.75.



## Fiberboard Electric Brooders

**E-CON-O.** A hover type brooder of sturdy construction, easy to operate at low cost. Size 32x32 in. Broods up to 150 day-old chicks. Price, \$2.50.

**LIV-AN-GRO.** Drawer type, inexpensive and sanitary brooder, 21 1/4 x 18 1/4. Has 50 day-old chick capacity. Price, \$2.50.

## "Kant-Pix" Beak Guards

For the control of cannibalism and pick-out. Light in weight, strong and durable, "Kant-Pix" Beak Guards can be quickly and easily attached. Do not interfere with breathing or free access to food. Price, 100, \$1.75.

## Peat Poultry Litter

One bale covers about 350 sq. feet, one inch deep. Please ask for prices.

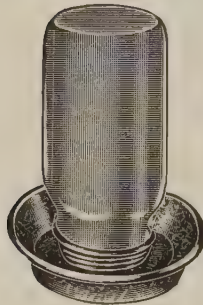




## Chick Fountains

Popular priced fountain in two sizes. Invert to fill, cupped pan snaps on securely. May be carried without spilling or over-running. Ribbed cone top prevents roosting.

No. A4—1 gal. Each.....65c  
No. A8—2 gal. Each.....95c

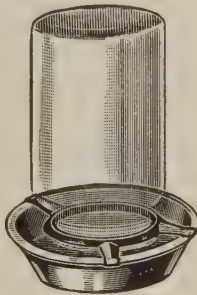


## Glass Jar Chick Fountains

For water, milk, medicine or butter-milk.

Enameled or charcoal tin. Fits standard pint, quart, or two-quart Mason jars. Without jar, each, 10c.

Glass base fountain made of heavy clear glass moulded with smooth edge. Without jar, each, 10c.



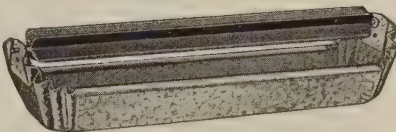
## Ideal Chick Fountain

Similar to the above Mason Jar Fountains excepting that it has no metal part, outside of 2½ inch wire legs. Price, with 2-qt. jar, 35c. (None sent by mail.)

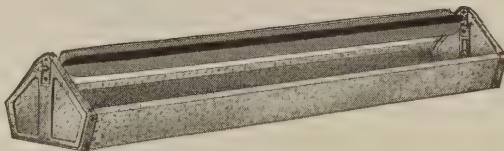
## Chick Feeder (Reel Type)

Feed-saving lip curved for chick safety and feed economy.

No. 105—15-inch. 20c  
No. 224—24-inch. 35c  
No. 236—36-inch. 45c

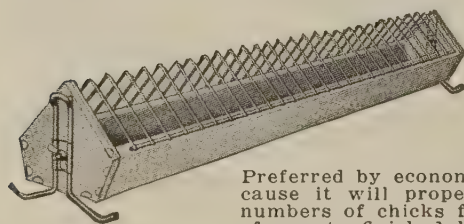


## Chick Feeder (Reel Type)



Improved feeder. Reel adjustable to four positions. Practical for day-old to six-weeks-old chicks.

No. 624—24-inch.....45c  
No. 636—36-inch.....60c  
No. 6360—36-inch, same as No. 636, excepting furnished with adjustable wire legs.....70c



## Broiler and Poultry Feeder

Preferred by economical buyers because it will properly serve large numbers of chicks from two weeks of age to finished broilers.

No. 730—30-inch.....\$1.25 No. 748—48-inch.....\$1.60

## FLOCK FEEDER



Hinged grill feeder of larger capacity and heavier construction than found elsewhere at its low price. Trough 9 inches wide, 4½ inches deep, 4 feet long. Feed-saving lip. Capacity 40 pounds, 36 quarts. Will serve from 30 to 60 hens.

Heavy wooden legs. Fitted with special rounded redwood perches, mite-proof, placed 16½ inches from the floor.

4-ft. length. Each.....\$4.95

## Spiral Leg Bands

Please Note. When ordering be sure to state the color desired, also for what breed of birds wanted.

These bands are made of highest quality celluloid. Colors are: White, blue, green, yellow, red, pink, light blue, cerise, purple, and black.



Size	Doz.	American		Pigeon	
		25	100	1000	
Chick, Pigeon, Bantam.....	\$0.10	\$0.15	\$0.50	\$ 3.00	
Mediterranean, American.....	.10	.20	.60	4.35	
No. 12 Asiatic.....	.15	.25	.79	5.50	
No. 13 Asiatic.....	.15	.25	.85	6.50	
No. 14 Turkey.....	.20	.35	1.00	7.50	
No. 16 Turkey.....	.25	.45	1.40	10.00	

## Economy Colored Poultry and Pigeon Band Numbered

### The Best Band for Exhibition Purposes

Colors: Red, Blue, Pink, White, Yellow, Green, Purple. Sizes 4 and 5 for Pigeons; 5, 10c; 10, 20c; 25, 40c; 50, 65c; 100, \$1.25. Size 9 for Mediterranean; size 11 for American breeds; size 12 and 13 for Asiatic; size 14 and 16 for Turkeys; 5, 15c; 10, 25c; 25, 60c; 50, \$1.10; 100, \$2.00.

## Flex-O-Glass

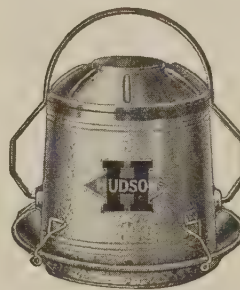
Holds in heat better than glass. For covering poultry house windows, hot beds, etc. Permits the health giving ultra violet rays to pass thru. Approved by leading authorities. Square yard, 30c.

## Cel-O-Glass

A high grade, low priced substitute for glass for poultry houses, hog houses, cold frames, storm doors, windows, porches, garages, etc. Practically unbreakable. Permits ultra-violet rays to filter through. Price, 1x3 feet, 60c; 5x3 ft., \$2.10; 10x3 ft., \$4.20.

## Hudson Grit and Shell Hopper

For the feeding of grit, ground shells and charcoal.  
No. GB9—2-compartment, width 9 inches.....\$1.35  
No. GB12—3-compartment, width 12 inches.....1.60



## Handy-Fill Chick Fountain

Handy-Fill chick fountain with exceptional water capacity at an attractive price. Reversible bail for easy filling and cleaning. Drinking pan of special Hudson design. One-piece, rolled edge trough especially designed for small chicks, of no-spill design.  
No. C3—3 gal. Each.....\$1.45  
No. C5—5 gal. Each.....2.00

## Chick and Broiler Fountain

A fountain that is easily cleaned, cone top preventing roosting. Equipped with self-closing valve. New design of "wade-proof" trough prevents waste and moisture accumulation.

K-3—3 gal. ....\$2.10  
K-5—5 gal. ....3.10



## Broiler and Flock Fountain

A long lasting double wall type, top-fill fountain. Saucer shape pan provides all needed drinking space at water surface, yet chickens cannot stand in it. Has anti-roost top.

No. K5H—5-gal. size. Complete with heater.....\$5.40  
Stand and legs for K5H.....3.00

## Beise Fountains

Are one of the most popular makes that we sell, being favored by poultry raisers on account of the ease in which they can be filled, and serviceable make-up.

3-qt. size.....\$0.70 2-gallon size.....1.00



## Thermometers

Brooder. Each .....50c to 85c  
Incubator. Each .....50c  
Greenhouse. Each .....55c to \$1.25  
House. Each .....35c to 1.25

## EGG PRESERVATIVES

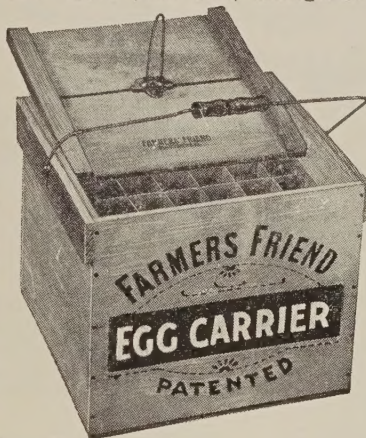
**Mechling's Water Glass.** At a very small cost, you can have eggs in winter that are for all purposes fresh, at the low springtime prices. Pt. size, 20c (preserves 10 doz. eggs); qt. size, 35c (preserves 20 doz. eggs).

**Lee's Egg-O-Latum.** An ointment quickly applied to eggs. Will keep them fresh for a long time. Egg-O-Latum is colorless, odorless, tasteless and non-poisonous. 50c jar enough for 50 doz. eggs; \$1.00 size, enough for 200 doz. eggs.

## Farmer's Friend Egg Crate

One of the most popular and convenient carriers made for shipping eggs by Parcel Post or Express. Its solid wood walls protect eggs against breakage even in rough handling. Is light in weight, yet durable.

Size Each  
6 doz. (Wt. 5 lbs.) \$ .90  
12 doz. (Wt. 8 lbs.) 1.10  
15 doz. (Wt. 9 lbs.) 1.25



## Continental Folding Egg Carton

One of the best cartons on the market. Its cushion-like construction makes it very safe for the protection of eggs against breaking.

1 doz. (weighs 3 lbs.) \$ .25 250 in carton.....\$ 3.50  
100 (weighs 22 lbs.).. 1.85 1,000 .....14.00

## 3x4 Egg Cartons

A square shaped, two-piece egg carton.

1 doz..\$0.15 125 ...\$1.25 500 ...\$4.25  
2 doz.. .30 250 ... 2.25 1,000 .. 8.50

## Salt

Table, Fine .....10 lbs., 25c; 25 lbs., 50c; 100 lbs., \$1.30  
Table, Iodized.....10 lbs., 40c; 25 lbs., 75c; 100 lbs., 2.25  
Water Softener. A Kleeer, 100-lb. bag..... 1.30  
CC-Rock, Ice Cream, Sidewalk. 100-lb. bag. . 1.25  
FC-Coarse, Stock or Hay. 100 lbs..... .90  
White Cattle. 50-lb. block, each..... .60  
Iodized. 50-lb. block, each..... .90  
Sulphurized, 50-lb. block, each..... .90

## Morton's Smoke Salt

Does the entire job of salting, sugar-curing and putting the appetizing flavor of wood smoke into your hams and bacon. 2 lbs., 25c; 10 lbs., \$1.00.

## Morton's Tender-Quick

A special meat cure for beef, veal, mutton, lamb, fish, fowl, pork specials, wild game, etc. Cures faster—improves flavor—makes meat more tender, 2½ lbs., 50c.

## Morton's Seasoning

That extra something that makes good cooking taste better. 3 ozs., 15c; 10 ozs., 30c.

Morton's Meat Pump. ....\$1.50



## Fleischmann's Irradiated Dry Yeast

Helps to keep your dog in wonderful condition, to eliminate skin trouble and intestinal disorders and to give your dog a finer, glossier coat. Just add a teaspoonful to his daily diet. 3½ oz., 25c; 8-oz. can, 50c; 1 lb., 85c.



## One-Spot Flea Killer

A little on one spot into your dog's back once a week kills the fleas. 25c and 50c sizes.

## Chaperone

Makes your dog behave in the house. Keeps dogs off rugs and furniture if desired. Price, \$1.00.

## Charge—A candy for dogs

A vitamin, mineral dessert for dogs that puts pep in your pet. Recommended by leading veterinarians. 2 oz., 10c; 6 oz., 25c.

## PRICES

-Due to conditions, over which we have no control, all prices quoted in this catalog are subject to change without notice. We reserve the right to fill mail orders at prevailing prices.

## BIRD SEED



In the quality and kind of seed you give your bird depends his health and song, and it is of the greatest importance to get good seed. More birds lose their song from the wrong kind of food or poor seed than from any other cause. Buy good seed and you will continue to have a happy singing bird. The seed we offer is carefully selected and of the highest quality. We shall be pleased to quote you in larger amounts than those we have listed. Please add postage to mail orders.

Bird Seed	1 lb.	5 lbs.	10 lbs.
Canary Bird Gould's Mixture.....	\$0.20	\$0.95	\$1.75
Love Bird Mixture .....	.20	.85	1.50
Hemp .....	.40	1.75	3.35
Millet .....	.10	.35	.65
Rape .....	.30	1.25	2.25
Sunflower, large parrot.....	.20	.85	1.50
Lettuce Seed .....	.75	...	...
Thistle Seed .....	.50	2.25	4.25
Poppy Seed, white .....	.50	2.25	4.00
Bird Gravel (bulk) .....	.05	.25	.40
Cuttle Bone (small size).....	Oz., 20c; 3 oz., 55c		

We also have canary feed, drinking and treat cups, bird baths, and canary leg bands.

## Bird Remedies and Feeds—Fish Food

Bird Bitters .....	25c	Lice Powder...10c and 25c	
Bird Nesting .....	10c	Mite Powder...10c and 25c	
3V Song Food ..10c and 25c		Moulting Food 10c and 25c	
Nesting Food .....	10c	Bird Salve .....	10c
Peppers .....	10c	Fish Food .....	10c
Catnip, bulk .....	10c	Aquarium Cement.....	10c

We carry a complete line of American Brand Bird Products.

## RABBIT SUPPLIES

Also Rabbit Feeds at Market Prices.

**Rabbit Salt Spools.** Plain, sulphurized or mineralized. Each, 6c; doz., 60c; postpaid, 75c; 100, \$5.00.  
**Rabbit Feeders** (stoneware).....20c and 25c each  
**Rabbit Waterers** (stoneware).....20c and 25c each

## SERGEANT'S DOG MEDICINES

We carry a complete line of the famous Sergeant's Dog Medicines. Ask for free Dog book.



## Purina Dog Chow

Purina Dog Chow is a complete food made of dried meat, dried milk, wheat germ, barley malt, Cod-Liver Oil and other health building ingredients. Dogs love it. It's good for them. To suit your dog's taste, Dog Chow comes in two forms, listed below. Feed either one or both for variety.

## Dog Chow Checkers

Two sizes, large and small. Dogs love to chew them. It satisfies their natural desire to gnaw.

100 lbs. ....	\$8.00
25 lbs. ....	2.35
5 lbs. ....	.55

## Dog Chow Meal

Complete food in granular form. Simply stir in warm water, milk, soup, etc., and serve.

100 lbs. ....	\$7.50
25 lbs. ....	2.15
5 lbs. ....	.55



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